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Publication List

The symbol * indicates the corresponding author. Underlined are Friščić group members.

L:letter, **C:**communication, **F:**full paper, **R:**review, **B:**book chapter, **H:**highlight, **E:**editorial/conference report

Book chapters

1) Book chapters as an Assistant/Associate/Full Professor at McGill

17. (B) T. Friščić* "Mechanochemistry in cocrystal synthesis" in: Co-crystals – Preparation, Characterization and Applications: Monographs in Supramolecular Chemistry, Editor: C. B. Aakeröy, A. S. Sinha, RSC (2018), 147-193.
16. (B) D. Tan, T. Friščić* "Mechanochemically-enhanced organic transformations" in: Sustainable Catalysis: Energy efficient reactions and Applications, Editors: F. Lam and R. Luque, John Wiley & Sons, New York (2018), 155-176.
15. (B) C. Mottillo, T. Friščić* "Supramolecular Mechanochemistry" in: Comprehensive Supramolecular Chemistry II, Editor: L. Barbour, Elsevier (2017), 101-137.
14. (B) I. Huskić, T. Friščić* "Carbon: Inorganic Chemistry" in: The Encyclopedia of Inorganic and Bioinorganic Chemistry, Editor: R. A. Scott, John Wiley & Sons, New York (2015).
13. (B) T. Friščić, P. Julien, C. Mottillo "Environmentally-friendly designs and syntheses of metal-organic frameworks (MOFs)", in: *Green Technologies for the Environment*, Eds.: R. Luque & S. O. Obare, ACS Symposium Series (2014)
12. (B) T. Friščić "Ball milling mechanochemical synthesis of coordination bonds: discrete units, polymers and porous materials", in: *Ball Milling Towards Green Synthesis*, Eds.: A. Stolle & B. Ranu, RSC Publishing (2014)
11. (B) T. Friščić "Mechanochemical approaches to metal-organic frameworks", in: *Metal-organic framework materials* Eds.: C. Lukehart & L. R. MacGillivray and *Encyclopedia of Inorganic and Bioinorganic Chemistry*, Ed. R. A. Scott, John Wiley & Sons (2014)
10. (B) T. Friščić "Chemistry through ball milling", *McGraw-Hill Yearbook of Science & Technology*, McGraw-Hill (2013)
9. (B) T. Friščić, D. B. Varshney, E. Elacqua, J. C. Sumrak, A. N. Sokolov, L. R. MacGillivray "Molecular Self-Assemblies in Co-Crystals: Engineering Chemical Reactivity and Organic Semiconductor Materials", in: "Molecular Self-Assembly: Advances and Application" Ed. Alex Li, Pan Stanford Publishing (2012)
8. (B) D. B. Varshney, J. R. G. Sander, T. Friščić, L. R. MacGillivray "Supramolecular Interactions", in: "Supramolecular Chemistry: From Molecules to Nanomaterials" Eds. Jonathan W. Steed & Philip Gale, Wiley (2012)

2) Book chapters as a Research Fellow, University of Cambridge

7. (B) T. Friščić, W. Jones "Development of liquid-assisted grinding (LAG) for the synthesis of hydrogen-bonded and coordination frameworks", in: "Frontiers in Mechanochemistry and Mechanical Alloying", published by International Mechanochemistry Association and National Metallurgy Laboratory, India (2011)
6. (B) T. Friščić, W. Jones "Application of mechanochemistry in the synthesis and discovery of new pharmaceutical forms: cocrystals, salts and coordination compounds", in: "Pharmaceutical salts and cocrystals" Eds. Johan Wouters & Luc Quere, RSC (2011)
5. (B) L. Fábrián, T. Friščić "Shape and Polarity in Cocrystal Formation: Database Analysis and Experimental Validation", in: "Pharmaceutical salts and cocrystals" Eds. Johan Wouters & Luc Quere, RSC (2011)
4. (B) T. Friščić "Towards mechanochemical synthesis of metal-organic frameworks (MOFs): from coordination polymers and lattice inclusion compounds to porous materials", in: "Metal-Organic Frameworks: Design and Application" Ed. Leonard R. MacGillivray, John Wiley & Sons (2010)

3) Book chapters as a Post-doctoral researcher and as a graduate student

3. (B) T. Friščić, L. R. MacGillivray* "Supramolecular approaches to building crystalline solids from crystalline solids" in: "Making crystals by design – from molecules to molecular materials, methods, techniques, applications", Eds. D. Braga and F. Grepioni, Wiley-VCH, Weinheim (2007).
2. (B) T. Friščić, L. R. MacGillivray* "Template-Controlled Solid-State Synthesis: Towards a General Form of Covalent Capture in Molecular Solids" in: *Frontiers in Crystal Engineering*, E. R. T. Tiekink and J. J. Vittal, Eds., John Wiley & Sons, New York (2006).
1. (B) T. Friščić, L. R. MacGillivray* "The Inorganic Chemistry of Carbon" in: The Encyclopedia of Inorganic Chemistry, 2nd Edition, Editor: R. B. King, John Wiley & Sons, New York (2005).

Publications

1) Publications as an Assistant/Associate/Full Professor at McGill

2021

248. (R) E. Effaty, X. Ottenwaelder*, T. Friščić* "Mechanochemistry in transition metal catalyzed reactions" *Curr. Opin. Green Sust. Chem.* 2021 (invited, accepted)

- 247. (R)** B. G. Fiss, A. J. Richard, G. Douglas, M. Kojic, T. Friščić*, A. Moores* "Mechanochemical methods for the transfer of electrons and exchange of ions: inorganic reactivity from nanoparticles to organometallics" *Chem. Soc. Rev.* **2021** (accepted)
- 246. (F)** S. Kaabel, J. P. D. Therien, C. E. Deschênes, D. Duncan, T. Friščić*, K. Auclair* "Enzymatic depolymerization of highly crystalline polyethylene terephthalate enabled in moist-solid reaction mixtures" *Proc. Natl. Acad. Sci. U. S. A.* **2021** (accepted)
- 245. (C)** J.-L. Do, H. M. Titi, L. A. Cuccia*, T. Friščić* "A new class of anionic metallohelicates based on salicylic and terephthalic acid units, accessible in solution and by mechanochemistry" *Chem. Commun.* **2021** (accepted) <https://doi.org/10.1039/D0CC08180A>
- 244. (F)** S. T. Emmerling, L. S. Germann, P. A. Julien, I. Moudrakovski, M. Etter, T. Friščić, R. E. Dinnebier, B. V. Lötsch* "In Situ Monitoring of Mechanochemical Covalent-Organic Framework Formation Reveals Profound Templating Effect of Liquid Additive" *Chem* **2021** (accepted) <https://doi.org/10.1016/j.chempr.2021.04.012>
- 243. (F)** L. Yang*, A. Moores, T. Friščić, N. Provatás* "Thermodynamics Model for Mechanochemical Synthesis of Gold Nanoparticles: Implications for Nanoparticle Production" *ACS Appl. Nano Mat.* **2021**, *4*, 1886-1897. <https://doi.org/10.1021/acsnano.0c03255>
- 242. (F)** T. S. Spillfogel, H. M. Titi*, T. Friščić* "Database Investigation of Halogen Bonding and Halogen...Halogen Interactions between Porphyrins: Emergence of Robust Supramolecular Motifs and Frameworks" *Cryst. Growth Des.* **2021**, *21*, 1810-1832. (accepted) <https://pubs.acs.org/doi/10.1021/acs.cgd.0c01697>
- 241. (F)** C. L. Mertzénich, G. S. Papaefstathiou, T. Friščić, T. D. Hamilton, D.-K. Bučar, D. C. Swenson, L. R. MacGillivray* "Inverted Metal-Organic Frameworks: Isorecticular Decoration with Organic Anions using Principles of Supramolecular Chemistry" *J. Coord. Chem.* **2021**, *74*, 169-177. (invited) <https://doi.org/10.1080/00958972.2021.1880004>
- 240. (F)** T. Stolar, A. Prašnikar, V. Martinez, B. Karadeniz, A. Bjelić, G. Mali, T. Friščić, B. Likozar*, K. Užarević* "Mechanochemical amorphization of bimetallic MOF-74 catalyst for enhanced and selective hydrogenation of CO₂ to methanol" *ACS Adv. Mat. Int.* **2021**, *13*, 3070-3077. <https://doi.org/10.1021/acsnano.0c21265>
- 239. (F)** T. Xie, S. E. Nikitin, A. I. Kolesnikov, E. Mamontov, L. M. Anovitz, G. Ehlers, I. Huskić, T. Friščić, A. Podlesnyak* "Direct determination of the zero-field splitting for Fe³⁺ ion in a synthetic polymorph of the oxalate mineral stepanovite NaMgFe(C₂O₄)₃·9H₂O: a natural MOF" *Phys. Rev. B*, **2021**, *103*, 024402. <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.103.024402>
- 238. (R)** B. G. Fiss, A. Richard, T. Friščić*, A. Moores* "Mechanochemistry for sustainable, efficient dehydrogenation/hydrogenation" *Can. J. Chem.* **2021**, doi: cjc-2020-0408 (invited) <https://doi.org/10.1139/cjc-2020-0408>
- 237. (C)** L. Catalano, L. S. Germann, P. A. Julien, M. Arhangelskis, I. Halasz, K. Užarević, M. Etter, R. E. Dinnebier, M. Ursini, M. Cametti, J. Martí-Rujas, T. Friščić*, P. Metrangolo*, G. Resnati, G. Terraneo*, "Open vs. Interpenetrated: Switchable Supramolecular Trajectories in Mechanosynthesis of a Halogen-Bonded Borromean Rings Network" *Chem* **2021**, *7*, 146-154. <https://doi.org/10.1016/j.chempr.2020.10.022>
- ## 2020
- 236. (B)** N. Novendra, J. M. Marrett, A. D. Katsenis, H. M. Titi, M. Arhangelskis, T. Friščić*, A. Navrotsky* "Linker Substituents Control Thermodynamic Stability in Metal-Organic Frameworks" *J. Am. Chem. Soc.* **2020**, *142*, 21720-21729. <https://doi.org/10.1021/jacs.0c09284>
- 235. (F)** O. Abate Fulas, A. Laferriere, G. Ayoub, G. Dayaker, C. Mottillo, H. M. Titi, R. S. Stein, T. Friščić*, T. J. Coderre* "Drug-nutritional co-crystal and salts for making new and improved bi-functional analgesics" *Pharmaceutics* **2020**, *12*, 1144 (invited) <https://doi.org/10.3390/pharmaceutics12121144>
- 234. (C)** J. Vainauskas, F. Topić, O. S. Bushuyev, C. J. Barrett*, T. Friščić* "Halogen bonding to the azulene π -system: cocrystal design of pleochroism" *Chem. Commun.* **2020**, *56*, 15145-15148. <https://doi.org/10.1039/D0CC04758A>
- 233. (R)** I. Huskić, C. B. Lennox, T. Friščić* "Accelerated ageing reactions: towards simpler, solvent- and energy-free chemistry" *Green Chem.* **2020**, *22*, 5881-5901. DOI:10.1039/D0GC02264K <https://doi.org/10.1039/D0GC02264K>
- 232. (F)** L. S. Germann*, M. Arhangelskis, R. S. Stein, M. Etter, R. E. Dinnebier, T. Friščić* "Challenging the Ostwald rule of stages in mechanochemical cocrystallisation" *Chem. Sci.* **2020**, *11*, 10092-10100. (cover page) <https://doi.org/10.1039/D0SC03629C>
- 231. (F)** S. Lukin, T. Stolar, I. Lončarić, I. Milanović, N. Biliškov, M. di Michiel, T. Friščić, I. Halasz* "Mechanochemical metathesis between AgNO₃ and NaX (X = Cl, Br, or I), and Ag₂XNO₃ double salt formation" *Inorg. Chem.* **2020**, *59*, 12200-12208. <https://doi.org/10.1021/acs.inorgchem.0c01196>
- 230. (F)** B. G. Fiss, N. N. Vu, G. Douglas, T.-O. Do, T. Friščić*, A. Moores* "Solvent-free mechanochemical synthesis of ultrasmall nickel phosphide nanoparticles and their application as a catalyst for the hydrogen evolution reaction (HER)" *ACS Sust. Chem. Eng.* **2020**, *8*, 12014-12024. <https://doi.org/10.1021/acssuschemeng.0c02762>
- 229. (C)** M. Arhangelskis, F. Topić, P. Hindle, R. Tran, A. J. Morris, D. Cinčić*, Tomislav Friščić* "Understanding reactions of cocrystals: comparing theory with experiment in the making and breaking halogen bonds in the solid state" *Chem. Commun.* **2020**, *56*, 8293-8296. <https://doi.org/10.1039/D0CC02935A>
- 228. (F)** J. P. Darby, M. Arhangelskis, A. D. Katsenis, J. M. Marrett, T. Friščić, A. J. Morris* "Ab initio prediction of metal-organic framework structures" *Chem. Mater.* **2020**, *32*, 5835-5844. <https://doi.org/10.1021/acs.chemmater.0c01737>
- 227. (C)** F. Hammerer, S. Ostadijoo, K. Dietrich, M.-J. Dumont, L. F. Del Rio, T. Friščić*, K. Auclair* "Rapid mechano-enzymatic saccharification of lignocellulosic biomass without bulk water or chemical pre-treatment" *Green Chem.* **2020**, *22*, 3877-3884. <https://doi.org/10.1039/D0GC00903B>
- 226. (F)** I. Huskić, M. Arhangelskis, T. Friščić* "Solvent-free ageing reactions of rare earth element oxides: From geomimetic synthesis of new metal-organic materials towards a simple, environmentally-friendly separation of scandium" *Green Chem.* **2020**, *22*, 4364-4375. doi:10.1039/D0GC00454E <https://doi.org/10.1039/D0GC00454E>
- 225. (F)** V. Nemeč, T. Piteša, T. Friščić, D. Cinčić* "The morpholinyl oxygen atom as an acceptor site for halogen-bonded cocrystallization of organic and metal-organic Units" *Cryst. Growth Des.* **2020**, *20*, 3617-3624. <https://doi.org/10.1021/acs.cgd.0c00520>
- 224. (C)** D. Gandrath, D. Tan, N. Biggins, A. Shelam, J.-L. Do, A. D. Katsenis, T. Friščić* "Catalytic room-temperature C-N coupling of amides and isocyanates using mechanochemistry" *ChemSusChem* **2020**, *13*, 2966-2972. <https://doi.org/10.1002/cssc.201902576>
- 223. (E)** A. J. Cruz-Cabeza*, M. D. Ward*, A. Lemmerer*, T. Friščić* "A Truly Polymorphic Issue in Honor of Prof Joel Bernstein" *Cryst. Growth Des.* **2020**, *20*, 2819-2823. <https://doi.org/10.1021/acs.cgd.0c00340>

- 222. (F)** C. A. O'Keefe, C. Mottillo, L. Fábíán, T. Friščić*, R. W. Schurko* "NMR-Enhanced Crystallography Aids Open Metal-Organic Framework Discovery Using Solvent-Free Accelerated Aging" *Chem. Mater.* **2020**, *32*, 4273–4281. <https://doi.org/10.1021/acs.chemmater.0c00894>
- 221. (C)** J. D. Thorpe, D. O'Reilly, T. Friščić*, M. J. Damha* "Mechanochemical synthesis of short DNA fragments" *Chem. Eur. J.* **2020**, *26*, 8857–8861. <https://doi.org/10.1002/chem.202001193>
- 220. (F)** P. F. Rosen, M. S. Dickson, J. J. Calvin, N. L. Ross, T. Friščić, A. Navrotsky, B. F. Woodfield* "Thermodynamic Evidence of Structural Transformations in CO₂-Loaded Metal–Organic Framework Zn(Melm)₂ from Heat Capacity Measurements" *J. Am. Chem. Soc.* **2020**, *142*, 4833–4841. <https://doi.org/10.1021/jacs.9b13883>
- 219. (F)** F. Topić, T. Friščić* "No regioselectivity for the steroid α -face in cocrystallization of exemestane with aromatic cocrystal formers based on phenanthrene and pyrene" *Can. J. Chem.* **2020**, *98*, 386–393. <https://doi.org/10.1139/cjc-2020-0073> (invited)
- 218. (C)** H. M. Titi, J.-L. Do, A. J. Howarth, K. Nagapudi, T. Friščić* "Simple, scalable mechanosynthesis of metal–organic frameworks using liquid-assisted resonant acoustic mixing (LA-RAM)" *Chem. Sci.* **2020**, *11*, 7578–7584. (invited, **Pick of the Week, RSC World highlight**) (cover page) <https://doi.org/10.1039/D0SC00333F>
- 217. (F)** T. Friščić, E. Elaqua, S. Dutta, S. M. Oburn, L. R. MacGillivray* "Total syntheses supramolecular style: solid-state construction of [2.2]cyclophanes with modular control of stereochemistry" *Cryst. Growth Des.* **2020**, *20*, 2584–2589. <https://doi.org/10.1021/acs.cgd.9b01712>
- 216. (F)** P. A. Julien, L. S. Germann, H.M. Titi, M. Etter, R. E. Dinnebier, L. Sharma, J. Baltrusaitis*, T. Friščić* "In situ monitoring of mechanochemical synthesis of calcium urea phosphate fertilizer cocrystal reveals highly effective water-based autocatalysis" *Chem. Sci.* **2020**, *11*, 2350–2355. <https://doi.org/10.1039/C9SC06224F> (cover page)
- 215. (F)** I. Brekalo, D. Deliz, C. M. Kane, T. Friščić*, K. T. Holman* "Exploring the scope of potential "shoe-last" templates in the mechanochemical synthesis of RHO topology Zeolitic Imidazolate Frameworks (ZIFs)" *Molecules* **2020**, *25*, 633 (invited) <https://doi.org/10.3390/molecules25030633>
- 214. (F)** I. Huskić, T. Friščić* "From mineralogy to crystal engineering: potential for polymorphism in the metal-organic framework mineral zhemchuzhnikovite and its synthetic analogues" *Cryst. Growth Des.* **2020**, *20*, 525–532. <https://doi.org/10.1021/acs.cgd.9b01641> (invited)
- 213. (C)** I. Brekalo, W. Yuan, C. Mottillo, Y. Lu, K. T. Holman*, S. L. James*, F. Duarte, P. A. Williams, K. D. M. Harris*, T. Friščić* "Manometric real-time studies of the mechanochemical synthesis of zeolitic imidazolate frameworks" *Chem. Sci.* **2020**, *11*, 2141–2147. <https://doi.org/10.1039/C9SC05514B>
- 212. (R)** T. Friščić*, C. Mottillo, H. M. Titi "Mechanochemistry for synthesis" *Angew. Chem. Int. Ed.* **2020**, *59*, 1018–1029 (invited) <https://doi.org/10.1002/anie.201906755>
- 211. (F)** I. R. Speight, I. Huskić, M. Arhangelskis, H. M. Titi, R. S. Stein, T. P. Hanusa*, T. Friščić* "Disappearing polymorphs in metal-organic framework chemistry: unexpected stabilization of a layered polymorph over an interpenetrated 3-dimensional structure in mercury imidazolate" *Chem. Eur. J.* **2020**, *26*, 1811–1818. <https://doi.org/10.1002/chem.201905280> (cover page)
- 210. (F)** L. S. Germann*, A. D. Katsenis, I. Huskić, P. A. Julien, K. Užarević, M. Etter, O. K. Farha, T. Friščić*, R. E. Dinnebier* "Real-time in situ monitoring of particle and structure evolution in mechanochemical synthesis of UiO-66 metal-organic frameworks" *Cryst. Growth Des.* **2020**, *20*, 49–54. <https://doi.org/10.1021/acs.cgd.9b01477> (invited)
- 209. (C)** F. Hammerer, S. Ostadjo, T. Friščić*, K. Auclair* "Controlling the reactivity of enzymes in mechanochemistry: inert surfaces protect β -glucosidase activity during ball milling" *ChemSusChem* **2020**, *13*, 106–110. <https://doi.org/10.1002/cssc.201902752>
- 208. (C)** I. Brekalo, D. Deliz, L. J. Barbour, M. D. Ward, T. Friščić*, K. T. Holman* "Microporosity in a Guanidinium Organodisulfonate Framework" *Angew. Chem. Int. Ed.* **2020**, *59*, 1997–2002. <https://doi.org/10.1002/anie.201911861>
- 207. (R)** S. Kaabel, T. Friščić*, K. Auclair* "Mechanoenzymatic transformations in the absence of bulk water" *ChemBioChem* **2020**, *21*, 742–758. <https://doi.org/10.1002/cbic.201900567>
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- 206. (C)** G. Ayoub, M. Arhangelskis, X. Zhang, F. Son, T. Islamoglu, T. Friščić*, O. K. Farha* "Air Oxidation of Sulfur Mustard Gas Simulant Using a Pyrene-Based Metal-Organic Framework Photocatalyst" *Beil. J. Nanotech.* **2019**, *10*, 2422–2427. (invited) <https://doi.org/10.3762/bjnano.10.232>
- 205. (F)** B. Karadeniz, D. Žilić, I. Huskić, L. S. Germann, A. M. Fidelli, S. Muratović, I. Lončarić, M. Etter, R. E. Dinnebier, D. Barišić, N. Cindro, T. Islamoglu, O. K. Farha, T. Friščić, K. Užarević* "Controlling the polymorphism and topology transformation in porphyrinic zirconium metal-organic frameworks via mechanochemistry" *J. Am. Chem. Soc.* **2019**, *141*, 19214–19220. <https://doi.org/10.1021/jacs.9b10251>
- 204. (F)** S. Ostadjo, F. Hammerer, T. Friščić*, K. Auclair* "Efficient enzymatic hydrolysis of biomass hemicellulose in the absence of bulk water" *Molecules* **2019**, *24*, 4206 (invited) <https://doi.org/10.3390/molecules24234206>
- 203. (C)** F. Topić, K. Lisac, M. Arhangelskis, K. Rissanen*, D. Cinčić*, T. Friščić* "Cocrystal trimorphism reveals orthogonality of halogen- and hydrogen-bonds synthons" *Chem. Commun.* **2019**, *55*, 14066–14069. <https://doi.org/10.1039/C9CC06735C>
- 202. (C)** H. M. Titi, M. Arhangelskis, G. P. Rachiero, T. Friščić*, R. D. Rogers* "Hypergolic Triggers as Cocrystal Formers: Cocrystallization for Creating New Hypergolic Materials with Tunable Energy Content" *Angew. Chem. Int. Ed.* **2019**, *58*, 18399–18404. <https://doi.org/10.1002/anie.201908690>
- 201. (C)** G. Ayoub, B. Karadeniz, A. J. Howarth, O. K. Farha*, I. Đilović, L. S. Germann, R. E. Dinnebier, K. Užarević*, T. Friščić* "Rational synthesis of microporous mixed-metal metal-organic frameworks with controlled composition using mechanochemistry" *Chem. Mater.* **2019**, *31*, 5494–5501. <https://doi.org/10.1021/acs.chemmater.9b01068>
- 200. (F)** J. P. D. Therien, F. Hammerer, T. Friščić*, K. Auclair* "Mechanoenzymatic breakdown of chitinous material to N-acetylglucosamine: the benefits of a solvent-less environment" *ChemSusChem* **2019**, *12*, 3481–3490. (cover page) <https://doi.org/10.1002/cssc.201901310>
- 199. (F)** H. M. Titi, M. Arhangelskis, A. D. Katsenis, C. Mottillo, G. Ayoub, J.-L. Do, A. M. Fidelli, R. D. Rogers*, T. Friščić* "Metal-organic frameworks (MOFs) as fuels for advanced applications: evaluating and modifying the combustion energy of popular MOFs" *Chem. Mater.* **2019**, *31*, 4882–4888. <https://doi.org/10.1021/acs.chemmater.9b01488>

- 198. (C)** P. F. Rosen, J. J. Calvin, M. Dickson, A. D. Katsenis, T. Friščić, A. Navrotsky, N. L. Ross, A. I. Kolesnikov, B. F. Woodfield* "Heat capacity and thermodynamic functions of crystalline forms of the metal-organic framework zinc 2-methylimidazolate, Zn(Melm)₂" *J. Chem. Therm.* **2019**, *136*, 160-169. <https://doi.org/10.1016/j.jct.2019.05.008>
- 197. (F)** M. Arhangelskis, A. D. Katsenis, N. Novendra, Z. Akimbekov, D. Gandrath, J. M. Marrett, G. Ayoub, A. J. Morris, O. K. Farha, T. Friščić*, A. Navrotsky* "Theoretical Prediction and Experimental Evaluation of Topological Landscape and Thermodynamic Stability of a Fluorinated Zeolitic Imidazolate Framework" *Chem. Mater.* **2019**, *31*, 3777-3783. <https://doi.org/10.1021/acs.chemmater.9b00994>
- 196. (C)** G. Ayoub, T. Islamoglu, S. Goswami, T. Friščić*, O. K. Farha* "Torsion angle effect on the activation of UiO metal-organic frameworks (MOFs)" *ACS Appl. Mat. Int.* **2019**, *11*, 15788-15794. <https://doi.org/10.1021/acsami.9b02764>
- 195. (F)** I. Huskić, N. Novendra D.-W. Lim, F. Topić, H. Titli, I. Pekov, S. V. Krivovichev, A. Navrotsky*, H. Kitagawa*, T. Friščić* "Functionality in metal-organic framework minerals: proton conductivity, stability and potential for polymorphism" *Chem. Sci.* **2019**, *10*, 4923-4929. <https://doi.org/10.1039/C8SC05088K>
- 194. (F)** B. G. Fiss, L. Hatherly, R. S. Stein, T. Friščić*, A. H. Moores* "Mechanochemical Phosphorylation of Polymers and Synthesis of Flame-Retardant Cellulose Nanocrystals" *ACS Sust. Chem. Eng.* **2019**, *7*, 7951-7959. <https://doi.org/10.1021/acssuschemeng.9b00764>
- 193. (F)** S. Li, I. Huskić, N. Novendra, H. M. Titli, A. Navrotsky*, T. Friščić* "Mechanochemical synthesis, accelerated aging and thermodynamic stability of the organic mineral paceite and its cadmium analogue" *ACS Omega* **2019**, *4*, 5486-5495 (invited) <https://doi.org/10.1021/acsomega.9b00295>
- 192. (R)** I. Huskić, T. Friščić* "Geomimetic approaches in the design and synthesis of metal-organic frameworks: lessons and opportunities for efficient, environmentally-friendly synthesis" *Phil. Trans. Royal Soc. A* **2019**, *377*: 20180221 (invited) <https://doi.org/10.1098/rsta.2018.0221>
- 191. (C)** H. M. Titli, J. M. Marrett, G. Dayaker, M. Arhangelskis, C. Mottillo, A. J. Morris, G. P. Rachiero, T. Friščić*, R. D. Rogers* "Hypergolic Zeolitic Imidazolate Frameworks (ZIFs) as Next-Generation Solid Fuels: Unlocking the Latent Energetic Behavior of ZIFs" *Sci. Adv.* **2019**, *5*, eaav9044. <https://advances.sciencemag.org/content/5/4/eaav9044>
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19. (C) T. Friščić, L. R. MacGillivray* "Reversing the code of a template-directed solid-state synthesis: A bipyridine template that directs a single-crystal-to-single-crystal [2+2] photodimerization of a dicarboxylic acid" *Chem. Commun.* **2005**, 5748-5750.
18. (C) G. S. Papaefstathiou, T. Friščić, L. R. MacGillivray* "Design and construction of a 2D metal organic framework with multiple cavities: A nonregular net with a paracyclophane that codes for multiply fused nodes" *J. Am. Chem. Soc.* **2005**, *127*, 14160-14161.
17. (R) L. R. MacGillivray, G. S. Papaefstathiou, T. Friščić, D. B. Varshney, T. D. Hamilton "Template-controlled synthesis in the solid state" *Topics Current Chem.* **2005**, *248*, 201-221.
16. (C) G. S. Papaefstathiou, I. G. Georgiev, T. Friščić, L. R. MacGillivray* "A photoactive one-dimensional ladder-like coordination polymer based on a dinuclear Zn(II) platform" *Chem. Commun.* **2005**, 3974-3975.
15. (C) T. N. Sokolov, T. Friščić, L. R. MacGillivray* "Crystal and molecular structure of 9,10-trans,trans-bis(4-pyridylethynyl)anthracene" *J. Struc. Chem.* **2005**, *46*, S171-S174.
14. (R) T. Friščić, L. R. MacGillivray* "Single-crystal-to-single-crystal [2+2] photodimerizations: From discovery to design" *Z. Krist.* **2005**, *220*, 351-363.
13. (F) T. Friščić, L. R. MacGillivray* "Cyclophanes and ladderanes: Molecular targets for supramolecular chemists" *Supramol. Chem.* **2005**, *17*, 47-51.

2004

12. (C) G. S. Papaefstathiou, T. Friščić, L. R. MacGillivray* "An infinite hydrogen-bonded molecular assembly based on catechol and a bifunctional olefin" *Trans. Amer. Cryst. Assoc.* **2004**, *39*, 110-113.
11. (F) T. Friščić, D. M. Drab, L. R. MacGillivray* "A test for homology: Photoactive crystalline assemblies involving linear templates based on a homologous series of phloroglucinols" *Org. Lett.* **2004**, *6*, 4647-4650.
10. (C) G. S. Papaefstathiou, T. D. Hamilton, T. Friščić, L. R. MacGillivray* "Self-assembled metal-organic squares derived from linear templates as exemplified by a polydentate ligand that provides access to both a polygon and polyhedron" *Chem. Commun.* **2004**, 270-271.
9. (F) X. Gao, T. Friščić, L. R. MacGillivray* "Supramolecular construction of molecular ladders in the solid state" *Angew. Chem. Int. Ed.* **2004**, *43*, 232-236.
8. (F) X. Gao, T. Friščić, G. S. Papaefstathiou, L. R. MacGillivray* "Crystal and molecular structure of Rebek's imide" *J. Chem. Cryst.* **2004**, *34*, 171-174.

2003

7. (F) G. S. Papaefstathiou, T. Friščić, L. R. MacGillivray* "A regiocontrolled 'head-to-tail' [2+2] photodimerization of a stilbene involving a ternary solid based on catechol" *J. Supra. Chem.* **2003**, *2*, 227-231.
6. (C) T. Friščić, L. R. MacGillivray* "Template-switching: a supramolecular strategy for the quantitative, gram-scale construction of a molecular target in the solid state" *Chem. Commun.*, **2003**, 1306-1307.
5. (F) T. Friščić, L. R. MacGillivray* "Double inclusion of ferrocene within a doubly interpenetrated three-dimensional framework based on resorcin[4]arene" *J. Organomet. Chem.* **666**, **2003**, 43-48.

5) Publications as an undergraduate student, University of Zagreb

1998-2002

4. (C) T. Friščić, A. J. Lough, G. Ferguson,* B. Kaitner* "Enantiomeric bis(μ -N,N'-hexamethylene-disalicylaldiminato)dnicopper(II) complexes" *Acta Cryst. C58*, **2002**, m313-m315.
3. (C) Pajić, D.; Zadro,* K.; Friščić, T.; Judaš, N.; Meštrović "Magnetic relaxation in Mn₁₂-methanoate molecular magnet" *J. Magn. Magn. Mater.* **242** **2002**, 946-948.
2. (F) D. Pajić, K. Zadro,* T. Friščić, N. Judaš, E. Meštrović "Thermal relaxation and quantum tunneling of the magnetization in Mn₁₂-acetate" *Fizika A* **8**, **1999**, 253-260.
1. (F) T. Friščić, B. Kaitner,* E. Meštrović "Synthesis and structure of N,N'-butylene- and N,N'-hexylenebis(2-oxy-1-naphthaldimine)" *Croat. Chem. Acta* **71**, **1998**, 87-98.

Invited, Plenary and Keynote Lectures at Departments, Conferences, Symposia and Industrial Sites

Presentations given

2021

- 192.** T. Friščić, "It's not easy being green – a survival guide for the aspiring milling mechanochemist" Invited Lecture at the EU COST Action Online Training School "Mechanochemistry: From supramolecular to covalent bonds – synthesis and structural characterization" (webcasted from Lisbon, 22-25 Mar 2021)
- 191.** T. Friščić, "Synthesis without bulk solvents: catalytic, greener and more efficient" Invited Lecture at the Solid-state Pharmaceutical Centre (SSPC) Greener Pharmaceutical Manufacturing Event (online, 26 Mar 2021)
- 190.** T. Friščić, "Green Chemistry via the Solid State: Sky is the Limit" Invited Lecture at the University of Birmingham School of Chemistry (online, 19 Feb 2021)
- 189.** T. Friščić, "Emergence of Medicinal Mechanochemistry: from DNA to Co-Crystals and Back" Invited Lecture at the EU COST Action Workshop "Mechanochemistry Meets Industry" (online, 17-18 Feb 2021)
- 188.** T. Friščić, "Mechanochemistry: chemical and materials synthesis without bulk solvents" Invited Lecture at the Los Alamos National Laboratory (online, 14 Jan 2021)

2020

- 187.** T. Friščić, "Green Chemistry via the Solid State: Sky is the Limit" *Open Science Podcast* (held online, 20 Nov 2020)
- 186.** T. Friščić, "Mechanochemistry: a New System of Chemical Synthesis" Invited Talk to Editors of the Nature Publishing Group (online, 29 Oct 2020)
- 185.** T. Friščić, "The use of real-time synchrotron diffraction to understand mechanochemical reactions: from molecular to framework materials" Invited Talk at the Soft Matter, Health, and Life Science Petra IV Synergy Workshop of Deutsches Elektronen-Synchrotron (DESY) (online, 29 Oct 2020)
- 184.** T. Friščić, "Mechanochemistry: Chemists' Re-discovery of the Book of Stones" Online Invited Lecture by the NSF Center for Mechanical Control of Chemistry (CMCC, 15 Oct 2020) (**Inaugural Lecture**)
- 183.** T. Friščić, "Green Chemistry via the Solid State: Sky is the Limit" Invited Talk at the Department of Chemistry, University of Ottawa (held online, 16 Sep 2020)
- 182.** T. Friščić, "From Mechanochemistry to MOFs: Understanding the Reactivity of Solids" Invited Talk at the Department of Chemistry and Polymer Science, Stellenbosch University (held online, 10 Jul 2020)
- 181.** T. Friščić, "Green Chemistry via the Solid State: Sky is the Limit" Invited Talk at the Annual General Meeting of the Montreal Chapter of the Canadian Institute for Chemistry (held online, 18 Jun 2020)
- 180.** T. Friščić, "Re-discovering the Chemistry of Stones: a Cornerstone for New, Cleaner Synthesis of Molecules and Materials" Invited Talk to the German Chemical Society, GDCh (held online, 26 May 2020)
- 179.** T. Friščić, "Reactivity of Solids as a Cornerstone for New, Cleaner Chemistry and Materials Science" Invited Talk at the Department of Chemistry, University of Texas, Houston (held online, 21 Apr 2020)
- 178.** T. Friščić, "Mechanochemistry for Synthesis" Invited Talk at the Department of Chemistry, York University (Toronto, 13 Feb 2020)
- 177.** T. Friščić, "Kemija na suho" ("Dry Chemistry"). Keynote talk at the annual dinner of the AMCA Québec (Montreal, 4 Feb 2020)

2019

- 176.** T. Friščić, "Reactivity of Solids as a Cornerstone for New, Cleaner Chemistry and Materials Science" Invited Lecture at the Department of Chemistry, University of Bologna (Bologna, Italy, 10 Dec 2019)
- 175.** T. Friščić, "Stabilnost koordinacijskih mreža" ("Stability of Coordination Networks), Invited Lecture at *SupraMolChem* 2019 (Zagreb, Croatia, 3 Dec 2019) (in Croatian)
- 174.** T. Friščić, "Mechanochemistry for Chemical Synthesis and Solid Form Discovery: From Co-crystals to Catalysis and Back", Invited Lecture at Abbvie, Inc. (Chicago, US, 20 Nov 2019)
- 173.** T. Friščić, "Mechanochemistry for synthesis", Invited Lecture at the Frontiers of Organic Synthesis Symposium in Honor of Prof. Margus Lopp (Tallinn, Estonia, 15 Nov 2019)
- 172.** T. Friščić, "Materials synthesis and discovery via mechanochemistry and related techniques", Invited Lecture at the 23rd Larson Conference on Crystallization (Chicago, US, 30 Sep-2 Oct 2019)
- 171.** T. Friščić, "Making Molecules and Materials by Mechanochemistry", Invited Lecture at the MechanoChemBio 2019 conference: Multiscale Mechanochemistry & Mechanobiology from molecular mechanisms to smart materials (Montreal, Canada, 29 July 2019)
- 170.** T. Friščić, I. Huskić "The emergent relationship between solvent-free chemistry, crystal engineering and mineralogy", Invited Talk at the 2019 Annual Meeting of the American Crystallographic Association (Covington, KY, USA, 23 July 2019)
- 169.** T. Friščić, "Mechanochemistry with additives: From improved synthesis to manufacturing advanced materials from the simplest precursors", Invited Talk at the 23rd Annual Green Chemistry & Engineering Conference and 9th International Conference on Green and Sustainable Chemistry (Reston, VA, USA, 11 June 2019)
- 168.** T. Friščić, "Medicinal Mechanochemistry: Developing Cleaner, Safer and More Efficient Routes to API Solids", Invited Talk at the Gordon Research Conference on Preclinical Form and Formulation for Drug Discovery (Waterville Valley, NH, USA, 9-14 June 2019)
- 167.** T. Friščić, "Metal-organic frameworks: from mechanochemistry to minerals", Award Lecture at the 102nd Canadian Chemistry Conference and Exhibition (Quebec City, Canada, 5 June 2019)
- 166.** T. Friščić, "Mechanochemistry: Tour de Force of Environmentally-Friendly Molecular and Materials Synthesis", Invited Talk at the Ecole des Mines Albi (Albi, France, 29 May 2019)
- 165.** T. Friščić, "Chemistry 2.0: Benefits of Making Molecules and Materials via the Solid State", Invited Talk at the Laboratoire de Chimie de Coordination (Toulouse, France, 27 May 2019)
- 164.** T. Friščić, "Mechanochemistry: Tour de Force of Molecular and Materials Synthesis", Invited Talk at the Max Planck Institute für Kohlenforschung (Mülheim, Germany, 20 May 2019)

- 163.** T. Friščić, "Mechanochemistry Opens the Door to Cleaner, Safer and More Exciting Chemistry *via* Simplicity and Minimalistic Design", Invited Talk at the Department of Chemistry, Montpellier University, (Montpellier, France, 14 May 2019)
- 162.** T. Friščić, "Simplicity and Minimalistic Design for Cleaner, Safer and More Exciting Chemistry", Steacie Prize in Natural Science Lecture, (McGill University, Montreal, 24 April 2019)
- 161.** T. Friščić, "Mechanochemistry and Green Chemistry – Thinking about Chemistry in a Different Way", Invited Talk at the 26th Annual Meeting of Croatian Chemists and Chemical Engineers, (Šibenik, Croatia, 9-12 April 2019)
- 160.** T. Friščić, "Thousand ways of monitoring mechanochemical reactions" Invited Lecture at the ACS Spring 2019 National Meeting, CATL Division, (Orlando, FL, USA, 31 March 2019)
- 159.** T. Friščić, "Understanding the thermodynamics and energetic properties of synthetic and natural metal-organic frameworks" Invited Lecture at the ACS Spring 2019 National Meeting, PHYS Division, (Orlando, FL, USA, 1 April 2019)
- 158.** T. Friščić, Keynote Lecture at the Bravo 2019 event honoring award recipient at McGill University, (Montreal, 21 March 2019)
- 157.** T. Friščić "Metal-Organic Frameworks: Mechanochemistry, Materials and Minerals", Plenary lecture at the 31st German Zeolite Meeting, (Dresden, Germany, 6-8 March 2019)

2018

- 156.** T. Friščić "Thermodynamics and stability in mechanochemistry and mechanochemically-made materials", Invited Talk at the 2018 Beilstein Organic Chemistry Symposium on "Mechanochemistry: Microscopic and Macroscopic Aspects", (Ruedesheim, Germany, 13-15 November 2018)
- 155.** T. Friščić "Chemistry 2.0", Plenary Talk at the 21st Chemistry and Biochemistry Graduate Research Conference (CBGRC), Concordia University (Montreal, QC, 9 November 2018)
- 154.** T. Friščić "Green Chemistry", Invited Talk at the 2018 Cells to Society Symposium on "Environment & Health": Sustainable Materials, McGill University (Montreal, QC, 26 October 2018)
- 153.** T. Friščić "Understanding of Metal-Organic Frameworks through Mechanochemistry: From Experiment to Theory", Invited Lecture at the 2018 Annual Meeting of the American Crystallographic Association (Toronto, ON, 20-24 July 2018)
- 152.** T. Friščić "Dancing in a Chemical Graveyard", Invited Lecture at the 2018 Annual Meeting of the American Crystallographic Association (Toronto, ON, 20-24 July 2018)
- 151.** T. Friščić "Metal-organic Frameworks: Efficient Synthesis, Thermodynamic Stability and Structure Prediction", Invited Lecture at the 16th European Powder Diffraction Conference (EPDIC16) (Edinburgh, UK, 1-4 July 2018)
- 150.** T. Friščić "Rediscovering the Chemistry of Stones: solid-state chemistry for cleaner, more efficient synthesis of molecules and materials", Invited Guest Lecture at the 2018 Annual Meeting of the British Association for Crystal Growth (BACG, Limerick, Ireland, 20-21 June 2018)
- 149.** T. Friščić "Mechanochemistry @MOSSCS: from MOFs to Mechanisms" Plenary Lecture at the 28th Midwest Organic Solid-State Chemistry Symposium (MOSSCS XXVIII) (St. Louis, MO, USA, 8-9 June 2018)
- 148.** T. Friščić "Understanding the mechanochemical assembly of cocrystals and metal-organic frameworks", Invited Lecture at the 101st Canadian Chemistry Conference and Exhibition (Edmonton, AB, 27-31 May 2018)
- 147.** T. Friščić "Solvent-Free Chemistry or What's a Chemist Without a Beverage?", Pint of Science Lecture Series (Montreal, 14 May 2018)
- 146.** T. Friščić "Emergence and Applications of Techniques for Real-Time Monitoring of Mechanochemical Reactions", 255th ACS National Meeting (New Orleans, LA, 18 March 2018)
- 145.** T. Friščić "Green Chemistry 2.0", Cutting Edge Lecture in Science Series (Redpath Museum, Montreal, 8 March 2018)
- 144.** T. Friščić "Mechanochemistry: chemical and materials synthesis without bulk solvents", Invited Lecture at the University of Ljubljana Doctoral Studies Program (Ljubljana, Slovenia, 30 January 2018)

2017

- 143.** T. Friščić "Towards Efficient and Sustainable Synthesis through Solid-state Chemistry", Invited Lecture at the 4th Canada-Japan Symposium on Coordination Chemistry (Fukuoka/Miyazaki, Japan, 27-30 November 2017)
- 142.** T. Friščić "How I Invented Greener Solvent-free Chemical Reactions", Invited Lecture at the Freaky Fridays Lecture Series, McGill University (Montreal, 24 November 2017)
- 141.** T. Friščić "Mechanochemistry, Minerals & Materials", Invited Lecture at the Cambridge Crystal Engineering Symposium, (Cambridge, UK, 29 September 2017)
- 140.** T. Friščić "Chemistry 2.0: Developing a Chemical System that Does Not Ignore Caring for the Environment", STARS Lecture Series, McGill University (Montreal, 13 September 2017)
- 139.** T. Friščić "Chemistry 2.0: Towards a More Efficient, Cleaner Synthesis of Molecules and Materials *via* Solvent-free Reactivity", Invited Lecture at the Department of Chemistry, University of Cincinnati (Cincinnati, OH, USA, 6 October 2017)
- 138.** T. Friščić "Chemistry 2.0: How Solid-State Chemistry Enables a More Efficient and Environmentally-Friendly System of Synthesis", Invited Lecture at the Department of Chemistry, Clarkson University (Postdam, NY, USA, 15 September 2017)
- 137.** T. Friščić "Kemija 2.0: drugačija, čišća i efikasnija sinteza bez otapala", Inaugural lecture of a new chemistry seminar series of the Croatian Academy of Arts and Sciences (Zagreb, Croatia, 8 September 2017)
- 136.** T. Friščić "Chemistry 2.0: developing a new, solvent-free system of chemical synthesis based on mechanochemistry", Invited Lecture at the 9th International Conference on Mechanochemistry and Mechanical Alloying (INCOME2017) (Košice, Slovakia, 3-7 September 2017)
- 135.** T. Friščić "Mechanochemistry: a re-discovery of solid state in synthetic chemistry", Invited Lecture at the Indian Institute of Chemical Technology Hyderabad (Hyderabad, India, 28 August 2017)
- 134.** T. Friščić "Minerals with metal-organic framework structures", Invited Lecture at the 24th Congress and General Assembly of the International Union for Crystallography (Hyderabad, India, 21-28 August 2017)

- 133.** T. Friščić "Assembly and dichroism of a four-component halogen-bonded metal-organic cocrystal salt solvate involving dicyanoaurate(I) acceptors", Invited Lecture at the Faraday Discussions meeting on "Halogen Bonding in Supramolecular and Solid-State Chemistry" (University of Ottawa, Ottawa, ON, 10-12 July 2017)
- 132.** T. Friščić "The use of halogen bonding in controlling light-matter interactions of crystalline solids", Invited Lecture at the 1st Solid-State Science & Research Conference (University of Zagreb, Zagreb, Croatia, 28 – 30 June 2017)
- 131.** T. Friščić "Solid-State Chemistry for Cleaner and More Efficient Materials Synthesis and Discovery", Invited Lecture at the 100th Canadian Chemistry Conference and Exhibition, MT3 Symposium (Toronto, ON, 28 May – 1 June 2017)
- 130.** T. Friščić "New Techniques for the Efficient Synthesis and Discovery of Microporous Metal-Organic Frameworks", Invited Lecture at the 100th Canadian Chemistry Conference and Exhibition, MT5 Symposium (Toronto, ON, 28 May – 1 June 2017)
- 129.** T. Friščić "New and Versatile Mechanochemical Routes to Materials and Molecules", Invited Lecture at the 100th Canadian Chemistry Conference and Exhibition, IN6 Symposium (Toronto, ON, 28 May – 1 June 2017)
- 128.** T. Friščić "Solid-state Chemistry as an Interface between Green Chemistry and Conductive Materials", Invited Lecture at the Core-to-Core Advanced Research Network Workshop on Organic Electronic of Highly Correlated Molecular Systems (McGill University, Montreal, 25-26 May 2017)
- 127.** T. Friščić "Discovering and Understanding Mechanochemistry", Invited Lecture at the 23rd International Conference on the Chemistry of the Organic Solid State (ICCOSS-23) (Stellenbosch, South Africa, 3 April 2017)
- 126.** T. Friščić "Re-discovery of solid-state reactivity in chemical synthesis and materials science: mechanochemistry and mechanical motion of crystals", Invited Lecture at the Oak Ridge National Laboratory (Oak Ridge, TN, USA, 21 March 2017)
- 125.** T. Friščić "Chemistry 2.0: A Different System of Chemical & Materials Synthesis", Invited Lecture at the Department of Chemistry, Simon Fraser University (Burnaby, BC, 7 March 2017)
- 124.** T. Friščić "The Ongoing (Re)Discovery of Solid-State Reactivity", Invited Lecture at the Bruker-AXS/MIT Symposium, MIT (Cambridge, MA, USA, 24 February 2017)
- 123.** T. Friščić "Towards Chemistry 2.0: Solid State as the enabling Medium for Making Molecules and Materials", Alumni Lecture at the Department of Chemistry, University of Iowa (Iowa City, 17 February 2017)
- 122.** T. Friščić "Efficient discovery and synthesis of solid forms through mechanochemistry and accelerated aging", invited Lecture for the Formulations Division at GenenTech headquarters (San Francisco, USA, 13 February 2017)
- 121.** T. Friščić "Mechanochemistry: a system of chemical synthesis directed towards efficiency and sustainability", invited Lecture for the Medicinal Chemistry Division at GenenTech headquarters (San Francisco, USA, 13 February 2017)

2016

- 120.** T. Friščić "Mechanochemistry: Synthesis of Molecules and Materials Re-discovered", invited lecture at the Department of Chemistry, National University of Singapore (Singapore, 12 December 2016)
- 119.** T. Friščić "A Renaissance of Solid-State Chemistry Across Chemical Synthesis" invited lecture at the 2016 Asian Crystallographic Association (AsCA) meeting (Hanoi, Vietnam, 4-7/12/2016)
- 118.** T. Friščić "Chemistry of Stones: Development of Solid-state Routes to Molecules and Materials", invited lecture at the Department of Chemistry, Dalhousie University (Halifax, 7 October 2016).
- 117.** T. Friščić "The Emergence of Medicinal Mechanochemistry", keynote lecture at the 30th European Crystallographic Meeting, ECM-30 (Basel, Switzerland, 29 August 2016).
- 116.** T. Friščić "Kemija zdravog razuma – jednostavniji i odgovorniji pristup sintezi molekula i materijala", invited lecture at the Institute Ruđer Bošković (Zagreb, Croatia, 26 August 2016).
- 115.** T. Friščić "The Chemistry of Common Sense", invited lecture at the Department of Chemistry, Laboratory for General and Inorganic Chemistry, University of Zagreb (Zagreb, Croatia, 16 June 2016).
- 114.** T. Friščić "New Opportunities for Photo- and Thermo-Mechanical Materials are Crystal Clear", invited lecture at the Telluride Science Research Center Workshop on *Energy and Movement in Coherent Chemical Systems* (Telluride, CO, 4-8 July 2016).
- 113.** T. Friščić "A Renaissance of Solid-State Chemistry in Chemical Synthesis", invited lecture at the 4th Gordon Research Conference on Crystal Engineering (Stowe, VT, 26-30 June 2016).
- 112.** T. Friščić "Solid-State Assembly of Coordination Bonds", invited lecture at the 99th Canadian Chemistry Conference and Exhibition (Halifax, NS, 5-9 June 2016).
- 111.** T. Friščić "Green Chemistry Guide to Selecting the Right Solvent for Your Reaction", lecture at the NSERC CREATE in Green Chemistry Summer School (McGill University, Montreal, 9-11 May 2016).
- 110.** T. Friščić, "Rapid Development of Mechanochemical Routes to Materials and Molecules" Invited Lecture at the 3rd Crystal Engineering and Emerging Materials Workshop of Ontario and Quebec (CEMWOQ-3, Windsor, ON, 14-15 May 2016).
- 109.** T. Friščić, "New Chemistry on the Rise – Rapid Development of Mechanochemical Routes to Materials and Molecules" Invited Lecture at Department of Chemistry, University of Calgary (Calgary, AB, 15 April 2016).
- 108.** T. Friščić, "Rehabilitating the solid state as a reaction medium - towards a new, green system of chemical synthesis" Invited Lecture at Department of Chemistry, Tulane University (Tulane, LA, USA, 4 April 2016).
- 107.** T. Friščić, "Towards a new, green and general system of chemical synthesis through innovative solid-state transformations" Invited Lecture at Department of Chemistry, State University of New York at Albany (Albany, NY, USA, 22 March 2016).
- 106.** T. Friščić, "Sustainable Science" Invited Lecture to Undergraduates in Green Chemistry and Sustainability, organized by the Office of Environmental Sustainability, State University of New York at Albany (Albany, NY, USA, 22 March 2016).
- 105.** T. Friščić, "X-ray diffraction for real-time, in situ monitoring of solid-state transformations: mechanochemistry and photo-mechanical effect" Invited Lecture at the 24th Annual Meeting of the German Crystallographic Society (DGK) (Stuttgart, Germany, 14-17 March 2016).
- 104.** T. Friščić, "Breaking the 1000-Year Old Mould: Cleaner and Sustainable Synthesis by Rediscovering the Chemistry of Stones" Invited Lecture at the 2nd United Arab Emirates Conference on Pure and Applied Chemistry (ECPAC16) (Sharjah, UAE, 1-3 March 2016).
- 103.** T. Friščić, "Towards a New System of Chemical Synthesis: Solid-State Chemistry for New Materials and Reactivity" Invited Lecture at the Department of Chemistry, University of Texas at Dallas (Dallas, TX, 12 February 2016).

102. T. Friščić, "Chemistry of Stones: Using Solid-State Chemistry to Discover New Materials and Reactivity" Invited Lecture at the Department of Chemistry Chemical Society Seminar series, McGill University (Montreal, 11 January 2016).

2015

101. T. Friščić, "Developing solid-state reactivity for the discovery and clean and high-yielding synthesis of metal-organic frameworks" Invited Lecture at the 2015 Pacificchem Meeting, Symposium #50 on "Metal-Organic Frameworks: Synthesis, Properties and Applications" (Honolulu, HI, USA, 15-20 December 2015).

100. T. Friščić, D. Tan, S. A. J. Kimber "Toward understanding and controlling the assembly of bismuth salicylate nanoclusters in solution" Invited Lecture at the 2015 Pacificchem Meeting, Symposium #93 on "Recent Discoveries in the Chemistry of Bismuth and Related Elements: the Green Alternative" (Honolulu, HI, USA, 15-20 December 2015). Presented by T. Friščić.

99. T. Friščić, O. S. Bushuyev, C. J. Barrett "Perfluorinated azobenzenes for the design of new halogen-bonding molecules and photomechanical materials" Invited Lecture at the 29th European Crystallographic Meeting (Rovinj, Croatia, 23-28 August 2013). Presented by T. Friščić.

98. T. Friščić "Thermal microscopy for discovery of new molecular materials: from pharmaceutical cocrystals to photo/thermo-mechanical solids" Plenary Lecture at the Meeting of the North American Thermal Analysis Society (NATAS) (McGill University, Montreal, 10-14 August 2015).

97. T. Friščić "Mechanochemistry: Resolving the Challenges of Bulk Synthesis of Metal-Organic Frameworks", Invited Lecture at the Gordon Research Conference on Nanoporous Materials & Their Applications (Holderness, NH, USA, 9-14 August 2015).

96. T. Friščić "2014 ChemComm Emerging Investigator Lecture: Rehabilitating the solid state as a reaction medium - towards a new, green system of chemical synthesis using mechanochemistry" Plenary Lecture at the 22nd International Conference on the Chemistry of the Organic Solid State (ICCOSS XX), (Niigata, Japan, 2015).

95. T. Friščić "Synthesis, Reaction Mechanisms and Reaction Discovery Using Mechanochemistry", Invited Lecture at the Department of Chemistry, University of Western Ontario (London, ON, 20 Aug 2015).

94. T. Friščić "Connections Between Biomineralization and Metal-organic Frameworks (MOFs)", Invited Lecture at the RSC New Journal of Chemistry Symposium (Department of Chemistry, McGill University, 3 June 2015)

93. T. Friščić "Discovery of New Materials and Reactivity Enabled by Mechanochemistry" Invited Lecture at the RSC International Symposium on Mechanochemistry, Hefei (Hefei, PRC, 6-7 June 2015).

92. T. Friščić "Engaging the Solid State for New, Clean and Efficient Synthesis of Molecules and Materials", Invited Lecture at the Green Chemistry Initiative (GCI) Green Chemistry Symposium, (University of Toronto, Toronto, ON, 13-15 May 2015).

91. T. Friščić "Milling: from mechanical processing to clean, environmentally-friendly and economically attractive synthesis" invited lecture at the Nestec Research Center (Lausanne, Switzerland, 29 Apr 2015).

90. T. Friščić "Outlines of Mechanochemistry: From a New Synthetic Environment to the Discovery of New Materials and Reactivity" invited lecture at the University College London, Department of Chemistry (part of the ChemComm Emerging Investigator Award Lecture Series, London, UK, 17 Apr 2015).

89. T. Friščić "Mechanochemistry: from environmentally-friendly synthesis to the discovery of new materials and reactivity" invited lecture at the University of Ottawa, Department of Chemistry (part of the ChemComm Emerging Investigator Award Lecture Series, Ottawa, ON, 25 Feb 2015).

88. T. Friščić "A (New) Role for Solids in Chemical Synthesis: Mechanochemical and Solvent-free Routes to Molecules and Materials" invited lecture at the University of Cardiff, School of Chemistry (Cardiff, UK, 20 Jan 2015).

2014

87. T. Friščić "Solid-state self-assembly: from minerals to metal-organic frameworks" invited lecture at the ACS Midwest Regional Meeting, University of Missouri (Columbia, MO, USA, 14 Nov 2014).

86. T. Friščić "Re-discovering the solid state as a versatile medium for rapid, clean and energy-efficient synthesis" Invited Lecture at the 8th Singapore International Chemistry Conference (SICC-8) (Singapore, 14-17 Dec 2014).

85. T. Friščić "Transformation of simple inorganic feedstocks into functional metal-organic structures with minimum input of energy and solvent" invited lecture at the International Symposium on Nanostructured Functional Materials (NanoFunMat), (Warsaw, Poland, 15-18 Jun 2014).

84. T. Friščić "Developing the solid state for rapid, clean and energy-efficient synthesis: from small molecules to extended materials" invited lecture at the Department of Chemistry, Purdue University (West Lafayette, USA, 2 Dec 2014).

83. T. Friščić "A (new) role for solid-state reactivity in making molecules and materials" invited lecture at the Department of Chemistry, Vanderbilt University (Nashville, USA, 3 Nov 2014).

82. T. Friščić "Solid-State Reactivity for Cleaner and More Efficient Chemical Synthesis: From Pharmaceuticals to Coordination Bonds and Back" invited lecture at the Department of Chemistry, Simon Fraser University (Vancouver, BC, 15 Oct 2014).

81. T. Friščić "Cleaner and Greener Synthesis of Molecules and Materials Inspired by Concepts of Mechanochemistry and Biogeochemistry" invited lecture at the Department of Chemistry, University of Victoria (Victoria, BC, 16 Oct 2014).

80. T. Friščić "Solvent-free and low-energy assembly of metal-organic frameworks" Invited Lecture at the MOF2014 Conference (Kobe, Japan, 28 Sep-1 Oct 2014).

79. T. Friščić "New Role for Solids in Chemical Synthesis: Mechanochemical and Solvent-free Routes to Molecules and Materials", invited lecture at the Department of Chemistry, University of California, Berkeley (Berkeley, USA, 29 Aug 2014).

78. T. Friščić "Rapid and clean synthesis leads to discovery of new framework structures and assessment of carbon dioxide sensitivity", Invited Lecture at the international symposium "Supramolecular Coordination Chemistry" at the 97th Canadian Chemistry Conference and Exhibition (Vancouver, BC, 1-5 June 2014).

77. T. Friščić "Solid-state assembly of metal-organic architectures" Invited Lecture at the 23rd Congress and General Assembly of the International Union of Crystallography (Montreal, 5-12 August 2014). (highlighted in a news release and live news event by the American Institute of Physics; <http://tangerine.newswise.com/articles/solid-state-chemistry>)

- 76.** T. Friščić, O. S. Bushuyev, I. Halasz, C. J. Barrett "The use of X-ray diffraction for real-time and in situ monitoring of solid-state transformations: mechanochemical reactions and photo-mechanical effect" Invited Lecture at the 2014 American Crystallographic Association Annual Meeting (Albuquerque, NM, USA, 24-28 May 2014).
- 75.** T. Friščić "A New Role for the Solid State in Chemical Synthesis" Invited Lecture at the Gordon Research Seminar on Crystal Engineering (Waterville, NH, USA, 31 May 2014).
- 74.** T. Friščić "Innovations in solid-state chemistry for new and greener synthesis" Invited Lecture at the 5th Annual Meeting of the Centre for Green Chemistry and Catalysis (Montreal, QC, 9 May 2014).
- 73.** T. Friščić "Thermal analysis of modern molecular materials: pharmaceutical cocrystals, photo-mechanical and thermosensitive (jumping) crystals" Plenary Lecture at the 24th Canadian Thermal Analysis Society Annual Workshop and Exhibition (Toronto, 6-7 May 2014)
- 72.** T. Friščić "Mechanochemical activity at McGill University" invited lecture at the IMERYS Centre (Sandersville, GA, USA, 17 April 2014).
- 71.** T. Friščić "Cleaner, faster and more efficient synthesis using solid-state chemistry and mechanochemistry" invited lecture at the Environmental Chemistry (ENVR) Symposium on "Green Chemistry and the Environment", 247th National ACS Meeting (Dallas, TX, USA, 16-20 March 2014).
- 70.** T. Friščić "Mechanochemistry and accelerated aging: Interconversion of inorganic and metal-organic structures with minimum input of energy and solvent" invited lecture at the Inorganic Chemistry (INOR) Symposium on "Inorganic Supramolecular Chemistry", 247th National ACS Meeting (Dallas, TX, USA, 16-20 March 2014).

2013

- 69.** T. Friščić "Novi, jednostavniji i čišći pristupi kemijskoj sintezi (New, simpler and cleaner approaches to chemical synthesis)" Invited E-lecture at the first E-Symposium of the Croatian Chemical Society, available at: <http://www.e-kemija.com/> (introduced in Zagreb, Croatia, on 29 October 2013)
- 68.** T. Friščić "Mechanochemistry: from solvent-free, low-energy synthesis to (photo- or thermo-)chemically-driven mechanical motion" invited lecture at the University of North Dakota Department of Chemistry (Grand Forks, ND, USA, 15 November 2013).
- 67.** T. Friščić "Mechanochemistry: from solvent-free, low-energy synthesis to (photo- or thermo-)chemically-driven mechanical motion" invited lecture at the North Dakota State University Department of Chemistry and Biochemistry (Fargo, ND, USA, 14 November 2013).
- 66.** T. Friščić "Low-energy and –solvent transformations using milling and aging: mechanisms and opportunities in organic, supramolecular and materials synthesis" invited lecture at the 2nd Canada-Japan Joint Symposium on Coordination Chemistry (Okinawa, Japan, 1-3 November 2013).
- 65.** T. Friščić "Sensing by and of molecular solids" Lecture at the CREATE Integrated Sensor Systems Seminar Series, McGill University (Montreal, 23 October 2013).
- 64.** T. Friščić "Mechanochemistry: from solvent-free and low-energy synthesis to photomechanical effect" invited lecture at the Xerox Research Centre of Canada (XRCC) (Mississauga, ON, 18 October 2013).
- 63.** T. Friščić "Focusing on self-assembly: minimising the input of energy and solvent in the synthesis of metal-organic architectures" invited lecture at the 14th International Seminar on Inclusion Compounds (ISIC 14), Heriot-Watt University (Edinburgh, UK, 18-23 August 2013).
- 62.** T. Friščić "Solid-state Reactions by Milling and Aging: Diversity of Reactions and Opportunities for Reaction Monitoring" Keynote Lecture at the 28th European Crystallographic Meeting (ECM 28), Warwick University (Warwick, UK, 25-29 August 2013).
- 61.** T. Friščić "Mechanochemical reactions by milling: an inspiration for studies of solid-state reaction dynamics and development of new low-energy chemistry" Plenary Lecture at the International Symposium on Mechanochemistry in Synthesis and Nanoscience (ISMech 2013), (Warsaw-Ossa, Poland, 21-24 September 2013).
- 60.** T. Friščić "Solid-state transformations as the foundation for a low-energy and low-solvent system of chemical synthesis" invited lecture at the Symposium on Recent Developments in Solvent-Free Reactions, 246th National ACS Meeting (Indianapolis, IN, USA, 8-12 September 2013).
- 59.** T. Friščić "Solid-state reactivity as the foundation for a system of cleaner and more efficient synthesis of molecules and materials" oral presentation at the Inorganic Chemistry Laboratory, Oxford University, personal invitation from A. Goodwin (Oxford, UK, 7 August 2013).
- 58.** T. Friščić, "Mechanochemistry for low-solvent and energy-efficient transformations: from supramolecular chemistry to organic synthesis and porous metal-organic frameworks", Invited lecture at *Canetique Electrocatalysis, Inc.*, Varennes, Quebec, Canada (14 May 2013)
- 57.** T. Friščić, C. Mottillo, F. Qi, Y. Lu "La chimie pour les paresseux: Comment faire des molécules et matériaux à basse énergie et sans solvant", Invited talk at 81^e du Congrès de l'Acfas, Quebec City, Quebec, Canada (6 May 2013)
- 56.** T. Friščić, "Mechanochemistry and solvent-free synthesis aid and abet supramolecular chemistry - Proširenje supramolekulske kemije uz pomoć mehanokemije i kemije bez otapala", Invited lecture at the XXIII Croatian Meeting of Chemists and Chemical Engineers, Osijek, Croatia (22 April 2013)
- 55.** T. Friščić, "Mechanochemistry for low-solvent and energy-efficient transformations: from supramolecular chemistry to organic synthesis and porous metal-organic frameworks", Invited lecture at the Exxon Mobile Corporate Strategic Research centre, Annandale, New Jersey, USA (15 March 2013)
- 54.** T. Friščić, "Cleaner Processes through Solvent-free Chemistry and Mechanochemistry", Invited speaker at the CABiomass-I meeting on Catalysis Applied to Biomass, Compiègne, France (12 March 2013)
- 53.** T. Friščić, "Mechanochemistry and catalytic solid-state transformations as low-energy and solvent-free routes to chemical and materials synthesis", Invited lecture at the Canadian Light Source, Saskatoon, Canada (20 February 2013)
- 52.** T. Friščić, "Accelerating mechanochemical and solid-state reactions: New strategies for efficient, low-energy and solvent-free synthesis of organic molecules and metal-organic materials", Seminar speaker at the Department of Chemistry and Biochemistry, University of Windsor, Windsor, Canada (25 January 2013)

51. T. Friščić, "How Solid-State and Supramolecular chemistry Aid and Abet Green Chemistry: Solvent-Free and Low Energy Synthesis of Molecules and Functional Materials", invited seminar speaker at the Department of Chemistry, Université de Montréal, Montréal, Canada (23 January 2013)
50. T. Friščić, "In situ monitoring of mechanochemical syntheses of porous frameworks in a mill", plenary speaker at the SNIC-RSC Joint Symposium on Inorganic Chemistry, organized by the RSC Dalton Division, Singapore (7 January 2013)

2012

49. T. Friščić, "In situ monitoring of mechanochemical syntheses of porous frameworks in a mill", keynote speaker at the 13th European Powder Diffraction Conference (EPDIC-13), Grenoble, France (30 October 2012)
48. T. Friščić, "Self-assembly of metal-organic materials from metal oxides", invited lecture at the Supramolecular Chemistry Symposium, 30^o Congreso Latinoamericano de Química (CLAQ 2012), Cancun, Mexico (28 October 2012)
47. T. Friščić, "New low-energy and low-solvent approaches to chemical synthesis" invited seminar lecture at Georgetown University, Department of Chemistry, Washington D.C., USA (25 October 2012)
46. T. Friščić, "Lazy man's chemistry: non-conventional solid-state synthesis for low-energy and solvent-free synthesis of materials and molecules" plenary lecture at the XXII Midwest Organic Solid-State Chemistry Symposium (MOSSCS XXII), Springfield, MO, USA (1-2 June 2012).
45. T. Friščić, I. Halasz, S. A. J. Kimber, V. Honkimäki, R. E. Dinnebier "*Mechanistic studies of mechanochemical reactions*", invited talk at the Eurasia 12 Conference on Chemical Science, Corfu, Greece. (16-21 April 2012)
44. T. Friščić "*Milling mechanochemistry and accelerated aging: strategies for low-solvent and low-energy synthesis of metal-organic materials*", plenary lecture at the RSC Dalton 2012 meeting, Warwick University, Department of Chemistry, Warwick, UK. Part of the RSC Harrison Meldola Prize and Lectureship (4 April 2012)
43. T. Friščić "*Lazy man's chemistry - low energy approaches to chemical and materials synthesis*", invited lecture at the Queen's University of Belfast, Department of Chemistry, Belfast, UK. Part of the RSC Harrison Meldola Prize and Lectureship (3 April 2012)
42. T. Friščić "*Lazy man's chemistry: solvent-free and low-energy routes to metal-organic materials*", invited lecture at the University of Southampton, Department of Chemistry, Southampton, UK. Part of the RSC Harrison Meldola Prize and Lectureship (30 March 2012)
41. T. Friščić "*Solid state synthesis of molecular materials*", invited lecture for the CSACS (Centre for Self-Assembled Chemical Structures) mini-symposium, McGill University, Department of Chemistry, Montréal, Québec, Canada (14 February 2012)
40. T. Friščić "*Solid state synthesis of molecular materials*", invited 3-hour teaching lecture for the CSACS (Centre for Self-Assembled Chemical Structures) CHEM 634 course, McGill University, Department of Chemistry, Montréal, Québec, Canada (13 January 2012)

2011

39. T. Friščić "*Mechanochemistry: developing rapid and general routes for the green and low-energy synthesis of molecules and materials*", invited lecture at the Concordia University, Department of Chemistry and Biochemistry, Montréal, Québec, Canada (28 October 2011)
38. T. Friščić "*How to be efficient and environmentally-friendly at the same time: solid-state chemistry of materials and molecules*", invited lecture at the Marianopolis College CEGEP Chemistry Club, Montréal, Québec, Canada (18 October 2011)
37. T. Friščić "*Supramolecular concepts in mechanochemical synthesis*" invited lecture at the Joint Midwest/Great Lakes Regional ACS Meeting, St. Louis, USA (20 October 2011)
36. T. Friščić "*Ion- and liquid-assisted grinding: MOFs, metallodrugs and mechanisms*" invited lecture at the 2nd International Symposium on Mechanochemistry and Solvent-free synthesis, Belfast, UK (18 August 2011)

2) Invited Lectures as a Research Fellow, University of Cambridge

2011

35. T. Friščić "*How to be efficient and environmentally-friendly at the same time: solid-state routes to materials and molecules*" Plenary Lecture at the 20th Croatian-Slovenian Crystallographic Meeting, Baška, Croatia (16 June 2011)
34. T. Friščić "*Clean, rapid and energy-efficient synthesis of materials and molecules through mechanochemical transformations*" Invited lecture at the Department of Chemistry, Oregon State University, Corvallis, Oregon, USA (21 February 2011)
33. T. Friščić "*Solid-state transformations: An overlooked path to clean and efficient synthesis of materials and molecules*" Invited lecture at the Department of Chemistry and Biochemistry, Utah State University, Logan, Utah, USA (10 February 2011)
32. T. Friščić "*Energy- and solvent-efficient synthesis of materials and molecules using solid-state transformations*" Invited lecture at the Max-Planck-Institute for Iron Research GmbH, Duesseldorf, Germany (1 February 2011)
31. T. Friščić "*Clean synthesis of materials and molecules through mechanochemical transformations*" Invited lecture at the Max-Planck Institute for Solid State Research, Stuttgart, Germany (18 January 2011)
30. T. Friščić "*Solid-state transformations: An overlooked path to clean and efficient synthesis of materials and molecules*" Invited lecture at the Department of Chemistry, McGill University, Montreal, Quebec, Canada (10 January 2011)

2010

29. T. Friščić "*Solid-state transformations of metal-organic frameworks*" invited lecture at the 1st CCDC Materials Research Forum, Cambridge Crystallographic Data Center, Cambridge, UK (19 October 2010)
28. T. Friščić "*Solid-state transformations: An overlooked path to clean and efficient synthesis of materials and molecules*" Invited lecture at the Max-Planck Institute for Solid State Research, Stuttgart, Germany (16 September 2010)
27. T. Friščić "*Halogen bonds: mechanosynthesis, unusual acceptors and metal-organic materials*" plenary lecture at the 26th European Crystallographic Meeting, Darmstadt, Germany (1 September 2010)

2009

26. T. Friščić "*Towards synthetic coordination chemistry that is completely independent of solution and solvents*" plenary lecture at the 1st RSC Symposium on Mechanochemistry and Solvent-free synthesis, Belfast, UK (6 November 2009)
25. T. Friščić "*Ion- and liquid-assisted grinding (ILAG): using templating effects to accelerate and direct mechanosynthesis*" lecture at the RSC Macrocycles and Supramolecular Chemistry Symposium, Cambridge, UK (15 December 2009)
24. T. Friščić "*Crystal Engineering and Molecular Recognition: New Aspects of Mechanochemistry*" plenary lecture at the Midwest Regional Meeting of the American Chemical Society, Iowa, USA (21-24 October 2009)
23. T. Friščić "*Mechanochemical assembly of molecular and metal-organic materials*" invited lecture at the Inorganic seminar series, Michigan State University, East Lansing, Michigan, USA (19 October 2009)
22. T. Friščić "*Mechanochemical construction of and inclusion in organic and metal-organic frameworks*" Plenary Lecture at the 4th Bologna convention on crystal forms, Bologna, Italy (4-6 June 2009)
21. T. Friščić "*Mechanochemical cocrystallisation: A Primitive but Efficient Way to Screen for Molecular Recognition and Supramolecular Complexity*", invited talk at the Department of Chemistry, Materials, Chemical Engineering "Giulio Natta", Polytechnic of Milan, Milano, Italy (3 June 2009)
20. T. Friščić "*Molecular assembly through mechanochemistry: from cocrystals and inclusion compounds to coordination polymers and frameworks*" plenary lecture at the Control and Prediction of the Organic Solid State (CPOSS) open day meeting, University College London, London, UK (31 March 2009)
19. T. Friščić "*Increasing solubility by crystal engineering and co-crystal formulation*", plenary lecture at the APSGB meeting on Poorly Soluble Drugs, Aston University, Birmingham, UK (15 April 2009)

2008

18. T. Friščić "*What can cocrystals and mechanochemical synthesis teach us on molecular recognition?*" invited lecture at the Rudjer Boskovic Institute, Zagreb, Croatia (August 2008).
17. T. Friščić "*Development of Liquid-Assisted Grinding for the Synthesis of Hydrogen-Bonded and Coordination Frameworks*", plenary lecture at the 6th International Conference on Mechanochemistry and Mechanical Alloying (INCOME2008), Jamshedpur, India (December 2008).

3) Invited Lectures as a Post-doctoral Researcher, University of Cambridge

2008

16. T. Friščić, "*Pharmaceutical cocrystals: synthesis and screening through mechanochemistry*", invited lecture at the 5th PhysChem Forum, Stevenage (June 2008)
15. T. Friščić "*Mechanosynthesis of multicomponent solids – a means of exploring intermolecular interactions*" invited lecture at the 3rd International workshop *Innovation in Crystal Polymorphism*, Bologna, Italy (February 2008)

2006-2007

14. T. Friščić "*Exploring the reactivity of cocrystals using liquid-assisted grinding*" invited lecture at the Department of Chemistry, University College London, London, United Kingdom (November 2007)
13. T. Friščić "*Cocrystal Design*" plenary lecture at the "Changing the Materials' Landscape" Science Symposium, Sandwich, United Kingdom (November 2007)
12. T. Friščić "*Constructing Molecules within Organic Crystals*" invited lecture for the Zagreb Summer School of Chemistry, Zagreb, Croatia (July 2007)
11. T. Friščić "*The Golden Apple*", lecture on supramolecular and solid-state chemistry for the Zagreb Summer School of Chemistry, Zagreb, Croatia (July 2007)
10. T. Friščić "*Testing pharmaceutical cocrystals via grinding: synthesis, screening, reactivity and issues of design*" lecture at the Pfizer Global R&D, Sandwich, UK (July 2007)
9. T. Friščić "*Grinding as a Tool of Supramolecular Synthesis*", invited lecture at the Department of Chemistry, Durham University, Durham, UK (May 2007)
8. T. Friščić "*Mechanochemical Synthesis of Pharmaceutical Cocrystals*" invited lecture at the College of Pharmacy, University of Michigan, Ann Arbor, Michigan, USA (March 2007)
7. T. Friščić "*Supramolecular Synthesis in the Solid State: Potential and Strategies*" invited lecture at the School of Pharmacy, De Montfort University, Leicester, UK (March 2007)
6. Friščić, T.; Jones, W.; Motherwell, W. D. S. "*Screening for three-component inclusion complexes via liquid-assisted grinding*", plenary lecture at the 15th Conference "Physical Methods in Coordination and Supramolecular Chemistry", Chişinău, Moldova (September 2006)

4) Invited Lectures as a Graduate Student, University of Iowa

2005

5. Friščić, T. "*Graduate Studies in the U.S.A.*" oral presentation in the organization of the Student Division of the Croatian Chemical Society, Zagreb, Croatia (September 2005)

2004

4. Friščić, T.; MacGillivray, Leonard R. "*Template-controlled Reactivity in the Solid State*", invited talk at the Institut für Chemie seminar series at Karl-Franzens Universität, Graz, Austria (November 2004).
3. Friščić, T.; MacGillivray, L. R., "*Template-controlled Synthesis of Molecular Targets in Crystals*", invited oral presentation at the Luther College Chemistry Department Chemistry Seminar Series, Decorah, Iowa, USA (November 2004).
2. Friščić, T.; MacGillivray, L. R. "*Synthesis of Target Molecules in the Solid State*" invited talk at the Laboratory for Organic Chemistry at the University of Zagreb Faculty of Science Chemistry Department, Zagreb, Croatia (September 2004).

1. Friščić, T. "How to Construct Molecules in Organic Crystals", invited talk at the Croatian Chemical Society Colloquium Series, Zagreb, Croatia (September 2004).

Regular oral conference presentations

1) Oral Conference Presentations as an Assistant Professor, McGill University

2020

46. T. Friščić, "Supramolecular chemistry and photochemistry of halogen-bonded azobenzene solids" Live Talk at the 4th International Symposium on Halogen Bonding (online, Stellenbosch University, Stellenbosch, South Africa, 2-5 Nov 2020)

2016

45. T. Friščić, D. Tan, J. G. Hernández, O. S. Bushuyev, C. J. Barrett "Thermal microscopy for discovery of new photo/thermomechanical solids", talk at the CSACS/CQMF Advanced Materials Annual Conference (École de Technologie Supérieure, Montreal, 3-4 May 2016).

2015

44. T. Friščić, "Mechanochemistry as an excellent and clean approach for chemical synthesis and discovery" Lecture at the 2015 Pacificchem Meeting, Symposium #322 on "Mechanochemistry and Solvent-free Synthesis" (Honolulu, HI, USA, 15-20 December 2015).

2013

43. T. Friščić "Understanding mechanochemistry: in situ reaction monitoring, kinetic and thermodynamic control of chemical reactions conducted by mechanical milling" oral presentation at the 21st International Conference on the Chemistry of the Organic Solid State (St. Catharine's College, Oxford, UK, 4-9 August 2013).

42. T. Friščić "Solid-state reactivity by milling and aging as the basis for a system of cleaner and more efficient synthesis of molecules and materials" oral presentation at the 2013 Annual Meeting of the American Crystallographic Association (Honolulu, Hawaii, USA, 20-24 July 2013). **Organizer of the microsymposium "Contemporary Crystal Engineering"**

41. T. Friščić "Mechanochemistry: towards a new and solvent-free system of chemical synthesis" oral presentation at the 96th Canadian Chemistry Conference and Exhibition, (Quebec City, 28 May 2013).

2012

40. T. Friščić, C. Mottillo, F. Qi "Direct transformation of metal oxides into metal-organic materials using mechanochemical milling and "accelerated aging" techniques", oral contribution at the 51st Annual Conference of Metallurgists, Niagara Falls, Canada (Oct 3, 2012)

39. T. Friščić "Solvent-free methodologies for the synthesis of metal-organic materials", oral contribution at the 244th ACS National Meeting, Philadelphia, Pennsylvania, USA (August 19, 2012)

38. T. Friščić, I. Halasz, S. A. J. Kimber, V. Honkimäki, R. E. Dinnebier "New low-energy and low-solvent approaches to metal-organic materials: new methods and in situ mechanistic studies" oral contribution at the Challenges in Inorganic and Materials Chemistry symposium (ISACS8), Toronto, Canada (21 July 2012)

37. T. Friščić, "Solvent-free and low-energy approaches to functional metal-organic materials", oral contribution at the Gas Capture Materials symposium at the 95th Canadian Chemistry Conference and Exhibition, Calgary, Canada (23 May 2012)

2011

36. T. Friščić "Clean, rapid and energy-efficient synthesis of materials and molecules through mechanochemical transformations" oral presentation at the Euromat 2011, European Congress and Exhibition on Advanced Materials and Processes, Montpellier, France, (12 September 2011).

2) Oral Conference Presentations as a Research Fellow, University of Cambridge

2011

35. T. Friščić "Mechanochemical synthesis: An overlooked path to clean and efficient synthesis of materials and molecules" oral presentation at the Spring 2011 ACS National Meeting, Anaheim, California, USA (27 March 2011).

2009

34. T. Friščić and L. Fábán "Clean and diversity-oriented synthesis of metal-organic materials by grinding" oral presentation at the Spring 2009 ACS National Meeting, Salt Lake City, Utah, USA (23 March 2009).

3) Oral Conference Contributions as a Post-doctoral Researcher, University of Cambridge

2008

33. T. Friščić, W. Jones, "Hydrogen-bonded frameworks: mechanochemical synthesis and templating", 17th Slovenian-Croatian Crystallographic Meeting, Ptuj, Slovenia (June 2008)

32. T. Friščić, D. Cinčić, W. Jones "Linear and bent halogen-bonded architectures in cocrystals: design, properties and mechanism of formation via grinding". Oral contribution at the Spring 2008 National ACS Meeting, New Orleans, USA (April 2008)

2007

31. T. Friščić "Mechanochemical approaches for the construction and discovery of API cocrystals" lecture at the 9th International Workshop on Physical Characterisation of Pharmaceutical Solids, Natick, Boston, Massachusetts, USA (June 2007)

30. Friščić, T.; Jones, W. "Construction of solid three-component inclusion complexes of a self-assembled host via grinding", oral presentation at the 233rd National Meeting of the American Chemical Society, Chicago, Illinois, USA (March 2007)

2006

29. Friščić, T. "Liquid-assisted grinding: a general tool to study and conduct supramolecular synthesis in the solid state" lecture to the Pfizer Institute for Pharmaceutical Materials Science, Cambridge, UK (October 2006)

28. Friščić, T. "Mechanochemical approaches to cocrystals", lecture at the Pharmaceutical Co-crystals Meeting, Amsterdam, The Netherlands (September 2006)

27. Friščić, T.; Jones, W.; Motherwell, W. D. S. "Construction of solid three-component inclusion complexes of a self-assembled host via grinding", oral presentation at the 232nd National Meeting of the American Chemical Society, San Francisco, California, USA (September 2006)

26. Friščić, T.; Jones, W.; Motherwell, W. D. S. "Construction of solid three-component inclusion complexes of a self-assembled host via grinding" 15th Slovenian-Croatian Crystallographic Meeting, Jezersko, Slovenia (June 2006)

4) Oral Conference Contributions as a Graduate Student, University of Iowa

2005

25. Friščić, T.; MacGillivray, L. R. "Reversing the Code of Template-controlled Solid-state Synthesis: Manipulation of the Reactivity of Carboxylic Acids in the Solid State" 40th Midwest Regional Meeting of the American Chemical Society, Joplin, Missouri, USA (October 2005)

24. Friščić, T.; MacGillivray, L. R., "Template-controlled Synthesis in the Solid State: Quantitative Synthesis in a Solvent-free Environment", oral presentation at the 2nd International Conference on Green and Sustainable Chemistry and the 9th Annual Green Chemistry and Engineering Conference, Washington D.C., USA (June 2005).

23. Friščić, T.; MacGillivray, L. R., "Reversing the Code of Template-directed Solid-state Synthesis", oral presentation at the 14th Croatian-Slovenian Crystallographic Meeting, Vrsar, Croatia (June 2005).

22. Friščić, T.; MacGillivray, L. R., "Reversing the Code of Template-controlled Solid-state Synthesis: Construction of Cyclobutanetetracarboxylic Acid", oral presentation at the XVIth Midwest Organic Solid-State Chemistry Symposium, Purdue, Indiana, USA (June 2005).

21. Friščić, T.; MacGillivray, L. R., "Supramolecular Construction of a Family of Molecular Targets in Cocrystals Based on Linear Templates", oral presentation at the 2005 Annual Meeting of the American Crystallographic Association, Orlando, Florida, USA (May 2005).

2004

20. Friščić, T.; MacGillivray, L. R., "Unsymmetrical Molecular Ladders" oral presentation at the 13th Biocatalysis and Bioprocessing Conference in Iowa City, Iowa, USA (October 2004).

19. Friščić, T.; Gao, X.; MacGillivray, L. R., "Synthesis of Molecular Targets in The Solid State Via Template-controlled Reactivity", oral presentation at the Midwest Regional Meeting of the American Chemical Society, Manhattan, Kansas, USA (October 2004).

18. Friščić, T.; Gao, X.; MacGillivray, L. R. "Template-controlled Construction of Molecular Ladders in the Solid State" oral presentation at the 228th National Meeting of the American Chemical Society, Philadelphia, Pennsylvania, USA (August 2004).

17. Friščić, T.; MacGillivray, L. R., "Deliberate Construction of a Photostable Polymorph of a Molecular Co-crystal by Pseudoseeding", oral presentation at the XV. Midwest Organic Solid State Chemistry Symposium in Carbonville, Illinois, USA (2004)

16. Friščić, T.; MacGillivray, L. R. "Synthesis of Molecular Ladders Via Template-directed Solid-state Synthesis", oral presentation at the University of Iowa Graduate College 6th James F. Jakobsen Graduate Forum, Iowa City, Iowa, USA (March 2004).

2003

15. Friščić, T.; MacGillivray, L. R., "Template-directed Synthesis of Molecular Targets in the Solid State", oral presentation at the 38th ACS Midwest Regional Meeting in Columbia, Missouri, USA (November 2003).

14. Drab, D.; Friščić, T.; MacGillivray, L. R., "A Test for Homology: A Family of Phloroglucinols as Linear Templates for Directing Reactivity in the solid state", oral presentation at the 38th ACS Midwest Regional Meeting in Columbia, Missouri, USA (November 2003).

13. Friščić, T.; MacGillivray, L. R., "Towards Ladderane Membrane Lipids: Template-directed Synthesis of Unsymmetrical Ladderanes", oral presentation at the 12th Biocatalysis and Bioprocessing Conference in Iowa City, Iowa, USA (October 2003).

12. Friščić, T.; MacGillivray, L. R. "Synthesis of Targets in the Solid State Using Linear Templates", oral presentation at the XIVth Midwest Organic Solid State Chemistry Symposium in Minneapolis, Minnesota, USA (June 2003).

11. Mattox, A.; Friščić, T.; MacGillivray, L. R., "Template-Directed Solid-State [2+2] Photodimerization of Electron-Deficient Olefins", poster presentation at the XIVth Midwest Organic Solid State Chemistry Symposium in Minneapolis, Minnesota, USA (June 2003).

10. Friščić, T.; MacGillivray, L. R. "Shape tolerance in template-directed solid-state synthesis" oral presentation at 225th ACS National Meeting in New Orleans, Louisiana, USA, (March 2003).

9. Friščić, T.; MacGillivray, L. R. "Shape Control in Template-directed Solid-state Synthesis", oral presentation at 37th ACS Midwest Regional Meeting in Lawrence, Kansas, USA, (March 2003).

2002

8. Friščić, T.; MacGillivray, L. R. "Shape Control in Template-Directed Solid-State Synthesis", oral presentation at the XIIIth Midwest Organic Solid State Chemistry Symposium in Iowa City, Iowa, USA (June 2002).

5) Oral Conference Contributions as Undergraduate Student, University of Zagreb

1995-2001

7. A. Brkljačić, T. Friščić, G. Gadanji, S. Grubešić and I. Palej, "*Preparation of Nd³⁺ doped CaMoO₄ and CaWO₄ crystals by crystallization from flux*", oral presentation at the XVIIth Croatian Meeting of Chemists and Chemical Engineers, Osijek, Croatia (June 2001).
6. T. Friščić and B. Kaitner, "*Replacement of Two Methanol Molecules by a Molecule of 1,4-diaminobutane in Crystals of a Tetranuclear Nickel Complex*", oral presentation at the 10th Croatian-Slovenian Crystallographic Meeting, Lovran, Croatia (June 2001).
5. T. Friščić and B. Kaitner, "*Polynuclear Complexes of Nickel(II) with N,N'-butylenebissalicylaldimine*", oral presentation at the 9th Slovenian-Croatian Crystallographic Meeting, Gozd Martuljek, Slovenia (June 2000).
4. T. Friščić, and B. Kaitner, "*Structure of Dimeric [N,N'-octylenebissalicylaldimino]copper(II)*", oral presentation at the 8th Croatian-Slovenian Crystallographic Meeting, Rovinj, Croatia (June 1999).
3. T. Friščić, E. Meštrović and B. Kaitner, "*Symmetrical Tetradentate Salicylaldimines Containing Even- and Odd-numbered Bridging Aliphatic Chain*", oral presentation at the 7th Slovenian-Croatian Crystallographic Meeting, Radenci, Slovenia (June 1998).
2. T. Friščić, E. Meštrović and B. Kaitner, "*The structure of gel grown crystals of 2-bis[(2-hydroxyphenylmethylene)amino]methylphenol*", oral presentation at the 6th Croatian-Slovenian Crystallographic Meeting, Umag, Croatia (June 1997).
1. T. Friščić, E. Meštrović and B. Kaitner, "*Butylenebis[(2-oxy)-1-naphthaldimine]*", oral presentation at the 4th Croatian-Slovenian Crystallographic Meeting, Trakošćan, Croatia (September 1995).

Poster presentations**1) Poster Presentations since joining McGill University****2019**

39. A. Novakovic, H. M. Titi, L. Overvoorde, I. R. Baxendale, L. Fábíán, R. S. Stein, T. Friščić "Remembering Joel Bernstein: The Archetype of Cocrystal-Mediated Solvent-Free Synthesis", poster contribution at the 24th International Conference on the Chemistry of the Organic Solid State (ICCOSS XXIV, New York, USA, 16-21 June 2019)
38. A. Novakovic, H. M. Titi, L. Overvoorde, I. R. Baxendale, L. Fábíán, R. S. Stein, T. Friščić "Remembering Joel Bernstein: The Archetype of Cocrystal-Mediated Solvent-Free Synthesis", poster contribution at the 6th Crystal Engineering and Emerging Materials Workshop of Ontario & Quebec (CEMWOQ-6) (Concordia University, Montreal, 29 May – 1 June 2019)

2018

37. T. Friščić, H. M. Titi, J. M. Marrett, M. Arhangelskis, D. Gandrath, N. Novendra, A. Navrotsky, R. D. Rogers, "Energetska svojstva metal-organskih mreža: od termodinamičke stabilnosti do zelenih goriva" (in Croatian), poster contribution at the 2nd Symposium for Supramolecular Chemistry of the Croatian Academy of Sciences and Arts (Zagreb, Croatia, 12 December 2018)
36. T. Friščić, F. Topić, M. Arhangelskis, J. Vainauskas, C. J. Barrett, K. Lisac, D. Cinčić "Halogen-bonded Designs for Organic and Metal-Organic Solids", poster contribution at the 5th Gordon Research Conference on Crystal Engineering, Newry, ME, USA (24-29 June 2018)

2012

35. T. Friščić "Solvent-free and low-energy assembly of metal-organic materials" poster contribution at the 2nd Gordon Research Conference on Crystal Engineering, Waterville, MA, USA (10-15 June 2012)

2) Poster Presentations as a Research Fellow, University of Cambridge**2011**

34. T. Friščić "Rapid, clean and energy-efficient laboratory synthesis of materials and molecules through mechanochemistry" poster contribution at the 15th Annual Green Chemistry & Engineering Conference and 5th International Conference on Green & Sustainable Chemistry, Washington D.C., USA (22 June 2011)

2010

33. T. Friščić "Solid-state mechanosynthesis: An overlooked path to clean and efficient synthesis of materials and molecules" poster contribution at the 2010 Winter School on Chemistry and Physics of Materials, Bangalore, India (4-11 December 2010)
32. T. Friščić "Molecular recognition and catalytic effects in mechanochemistry" poster contribution at the 1st Gordon Research Conference on Crystal Engineering, Waterville, NH, USA (6-11 June 2010)
31. T. Friščić and W. Jones "Solid-state mechanochemical assembly of pharmaceutical solid forms" poster contribution at the 1st Gordon Research Conference on Crystal Engineering, Waterville, NH, USA (6-11 June 2010)
30. E. H. H. Chow, F. C. Strobridge and T. Friščić "*Magnesium complexes as pharmaceutical forms*" poster contribution at the 2010 PhysChem Forum, Sandwich, UK (24 March 2010)

2009

29. T. Friščić and N. Judaš "*The stepwise mechanism and templating effects in the mechanosynthesis of coordination polymer inclusion compounds and porous MOFs*", poster contribution at the 42nd IUPAC Congress, Glasgow, UK (4 August 2009)
28. T. Friščić and L. Fábíán "*Liquid-assisted grinding: one-step room-temperature construction of coordination polymers, soft inclusion materials and porous MOFs*", poster contribution at the 42nd IUPAC Congress, Glasgow, UK (August 2009)
27. T. Friščić and N. Judaš "*Solvatochromism in a mechanochemical reaction: synthesis of Cu(II) coordination polymers by liquid-assisted grinding*", poster contribution at the 21st Croatian Meeting of Chemists and Chemical Engineers, Split, Croatia (19-22 April 2009)

26. T. Friščić " *From Foundations to Functionality – Constructing Complex Materials from the Most Basic Resources*", invited poster presentation at the SET for BRITAIN exhibition, House of Commons, London, UK (9 March 2009).

25. T. Friščić, R. W. Lancaster, D. G. Reid, S. L. Price, M. J. Duer, W. Jones " *Spectroscopic Characterisation of Steroid Cocrystals*" invited poster at the Control and Prediction of the Organic Solid State (CPOSS) open day meeting, University College London, London, UK (March 2009)

24. J. Galcera, T. Friščić, E. Molins, W. Jones " *Isostructural organic salt host architecture that allows control over shape and decoration of inclusion cavities*" invited poster at the Control and Prediction of the Organic Solid State (CPOSS) open day meeting, University College London, London, UK (March 2009)

2008

23. T. Friščić and L. Fábián " *Synthesis and Screening for Coordination Polymers and Metal-Organic Frameworks by Liquid-Assisted Grinding*". Poster contribution at the 2008 SupraNano meeting, University of Birmingham, Birmingham, UK (December 2008).

3) Poster Presentations as a Post-doctoral Researcher, University of Cambridge

2007

22. T. Friščić, D. Cinčić, W. Jones " *Supramolecular synthesis by grinding: molecular inclusion and halogen bonds*". Poster contribution at the UK RSC Macrocyclic and Supramolecular Chemistry Group Meeting, University of Manchester, Manchester, United Kingdom (December 2007)

21. T. Friščić, D. Cinčić, W. Jones " *Evolution of supramolecular halogen-bonded structures in cocrystallisation via grinding: from a finite assembly to an infinite chain*", poster contribution at the Faraday Discussions 136: Crystal growth and nucleation, University College London, UK (April 2007)

4) Poster Presentations as a Graduate Student, University of Iowa

2005

20. Friščić, T.; MacGillivray, L. R. " *Control of Reactivity in the Solid State Through Principles of Supramolecular Chemistry*" poster presentation at the 20th Congress of the International Union of Crystallography, Florence, Italy (August 2005).

19. Friščić, T.; MacGillivray, L. R., " *Light-driven Molecular Synthesis via Supramolecular Chemistry*", poster presentation at the Optical Science and Technology Center Symposium on Optics, Lasers and Nanoscale Materials in Environmental Science, Iowa City, Iowa, USA (February 2005).

2004

18. Friščić, T.; Gao, X.; MacGillivray, L. R., " *Synthesis of Molecular Ladders in the Solid State*", poster presentation at the 22nd European Crystallographic Meeting, Budapest, Hungary (August 2004).

17. Friščić, T.; MacGillivray, L. R., " *Supramolecular Construction of Molecular Ladders in the Solid State*", poster presentation at the XIII. International Symposium of Supramolecular Chemistry, South Bend, Indiana, USA (July 2004).

16. Friščić, T.; MacGillivray, L. R., " *Template-switching: A Tough Way to Write Molecular Information in Crystals*", poster presentation at the Optical Science and Technology Symposium on Opportunities in Optical Science & Technology, Iowa City, Iowa, USA (April 2004).

15. Friščić, T.; MacGillivray, L. R., " *Synthesis of Ladderanes Via Template-directed Solid-state [2+2] Photodimerization*", poster presentation at the 15th Winter Conference of the Inter-American Photochemical Society, Tempe, Arizona, USA (January 2004).

2003

14. Friščić, T.; MacGillivray, L. R., " *Target-Oriented Synthesis in the Solid State Using Linear Templates*", poster presentation at the 39th IUPAC Congress in Ottawa, Canada (August 2003).

5) Poster Presentations as an Undergraduate Student, University of Zagreb

1995-2001

13. T. Friščić, " *Different Hydrogen Bond Patterns in Some Solvates of a Schiff Base Copper(II) Complex*", poster presentation at the 32nd Course of the International School of Crystallography, Erice, Italy (May 2001).

12. J. Alešković, A. Brkljačić, V. Cmrečki, T. Friščić, S. Grubešić, K. A. Kovač, F. Kovačić, K. Kuš, P. Močilac, K. Molčanov and T. Portada, " *Student division of the Croatian Chemical Society*", poster presentation at the XVIIth Croatian Meeting of Chemists and Chemical Engineers, Osijek, Croatia (June 2001).

11. T. Lenac, T. Friščić and E. Meštrović, " *The use of CSD for investigation of crystal structures of solvates*", poster presentation at the XVIIth Croatian Meeting of Chemists and Chemical Engineers, Osijek, Croatia (June 2001).

10. T. Friščić and Branko Kaitner, " *Chloroform adduct of [N,N'-butylenebis(o-hydroxy-acetophenoniminato)]-copper(II)*", poster presentation at the XVIIth Croatian Meeting of Chemists and Chemical Engineers, Osijek, Croatia (June 2001).

9. T. Friščić and Branko Kaitner, " *Structures and properties of two bridged tetradentate o-hydroxy-acetophenonimines*", poster presentation at the XVIIth Croatian Meeting of Chemists and Chemical Engineers, Osijek, Croatia (June 2001).

8. J. Alešković and T. Friščić, " *Design of a computer-operated electronic circuit for control of laboratory oven*", poster presentation at the XVIIth Croatian Meeting of Chemists and Chemical Engineers, Osijek, Croatia (June 2001).

7. I. Halasz, T. Friščić, D. Turčinović and E. Meštrović, " *Determination of copper(II) ions in aqueous solutions using a thermometer*", poster presentation at the XVIth Croatian Meeting of Chemists and Chemical Engineers, Split, Croatia (February 1999).

6. E. Meštrović, N. Judaš, D. Mrvoš-Sermek, Z. Bojanić, T. Friščić, M. Močibob, S. Kolarić and M. Knok, " *Internet centre for chemical education*", poster presentation at the XVIth Croatian Meeting of Chemists and Chemical Engineers, Split, Croatia (February 1999).

5. T. Friščić, E. Meštrović, B. Kaitner, "*Two symmetrical tetradentate Schiff bases derived from 1,7-diaminoheptane*", poster presentation at the XVIth Croatian Meeting of Chemists and Chemical Engineers, Split, Croatia (February 1999).
4. T. Friščić, B. Kaitner, "*Copper(II) complexes with N,N'-hexylenebissalicylaldimine*", poster presentation at the XVIth Croatian Meeting of Chemists and Chemical Engineers, Split, Croatia (February 1999).
3. T. Friščić, B. Kaitner and E. Meštrović, "*Stereochemical changes by chelation: N,N'-butylene-bissalicylaldimine and its copper complex*", poster presentation at the XVIIIth European Crystallographic Meeting, Praha, Czech Republic (August 1998).
2. T. Friščić, E. Meštrović, B. Kaitner, "*Gel crystallization and crystallization by temperature-induced convection*", poster presentation at the XVth Meeting of Croatian Chemists and Chemical Engineers, Opatija, Croatia (March 1997).
1. T. Friščić, E. Meštrović, B. Kaitner, "*N,N'-butylenebis[(2-hydroxy-1-naphthyl)methanimine] as potential bridging tetradentate ligand*", poster presentation at the XIVth Meeting of Croatian Chemists, Zagreb, Croatia (February 1995).