

Tomislav Friscic

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

279
papers

19,878
citations

73
h-index

134
g-index

341
ext. papers

22,677
ext. citations

8
avg, IF

7.48
L-index

#	Paper	IF	Citations
279	Metal-Catalyzed Organic Reactions by Resonant Acoustic Mixing.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202115030	16.4	0
278	Metal-organic frameworks as hypergolic additives for hybrid rockets.. <i>Chemical Science</i> , 2022 , 13, 3424-3436	16.4	1
277	In situ monitoring of mechanochemical covalent organic framework formation reveals templating effect of liquid additive. <i>Chem</i> , 2021 , 7, 1639-1652	16.2	7
276	Open versus Interpenetrated: Switchable Supramolecular Trajectories in Mechanochemistry of a Halogen-Bonded Borromean Network. <i>Chem</i> , 2021 , 7, 146-154	16.2	9
275	A new class of anionic metallohelicates based on salicylic and terephthalic acid units, accessible in solution and by mechanochemistry. <i>Chemical Communications</i> , 2021 , 57, 5143-5146	5.8	
274	Thermodynamics Model for Mechanochemical Synthesis of Gold Nanoparticles: Implications for Solvent-Free Nanoparticle Production. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1886-1897	5.6	2
273	Database Investigation of Halogen Bonding and Halogen-Halogen Interactions between Porphyrins: Emergence of Robust Supramolecular Motifs and Frameworks. <i>Crystal Growth and Design</i> , 2021 , 21, 1810-1832	3.5	7
272	Inverted metal-organic frameworks: isorecticular decoration with organic anions using principles of supramolecular chemistry. <i>Journal of Coordination Chemistry</i> , 2021 , 74, 169-177	1.6	1
271	Mechanochemistry for sustainable and efficient dehydrogenation/hydrogenation. <i>Canadian Journal of Chemistry</i> , 2021 , 99, 93-112	0.9	2
270	Enzymatic depolymerization of highly crystalline polyethylene terephthalate enabled in moist-solid reaction mixtures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
269	After 200 Years: The Structure of Bleach and Characterization of Hypohalite Ions by Single-Crystal X-Ray Diffraction*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24400-24405	16.4	0
268	Real-Time Observation of "Soft" Magic-Size Clusters during Hydrolysis of the Model Metallodrug Bismuth Disalicylate. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16332-16336	16.4	3
267	Mechanochemistry in transition metal-catalyzed reactions. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 32, 100524	7.9	5
266	Mechanochemical methods for the transfer of electrons and exchange of ions: inorganic reactivity from nanoparticles to organometallics. <i>Chemical Society Reviews</i> , 2021 , 50, 8279-8318	58.5	8
265	Simplifying and expanding the scope of boron imidazolite framework (BIF) synthesis using mechanochemistry. <i>Chemical Science</i> , 2021 , 12, 14499-14506	9.4	0
264	Scalable Mechanochemical Amorphization of Bimetallic Cu-Zn MOF-74 Catalyst for Selective CO Reduction Reaction to Methanol. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3070-3077	9.5	15
263	Linker Substituents Control the Thermodynamic Stability in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21720-21729	16.4	12

262	Drug-Nutraceutical Co-Crystal and Salts for Making New and Improved Bi-Functional Analgesics. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
261	Halogen bonding to the azulene Esystem: cocrystal design of pleochroism. <i>Chemical Communications</i> , 2020 , 56, 15145-15148	5.8	6
260	Solvent-free ageing reactions of rare earth element oxides: from geomimetic synthesis of new metalorganic materials towards a simple, environmentally friendly separation of scandium. <i>Green Chemistry</i> , 2020 , 22, 4364-4375	10	5
259	Ab Initio Prediction of Metal-Organic Framework Structures. <i>Chemistry of Materials</i> , 2020 , 32, 5835-5844	9.6	9
258	Mechanochemical reactions of cocrystals: comparing theory with experiment in the making and breaking of halogen bonds in the solid state. <i>Chemical Communications</i> , 2020 , 56, 8293-8296	5.8	5
257	No regioselectivity for the steroid Eface in cocrystallization of exemestane with aromatic cocrystal formers based on phenanthrene and pyrene. <i>Canadian Journal of Chemistry</i> , 2020 , 98, 386-393	0.9	1
256	A Truly Polymorphic Issue in Honor of Prof Joel Bernstein. <i>Crystal Growth and Design</i> , 2020 , 20, 2819-2823	3.5	2
255	Catalytic Room-Temperature C-N Coupling of Amides and Isocyanates by Using Mechanochemistry. <i>ChemSusChem</i> , 2020 , 13, 2966-2972	8.3	11
254	Mechanochemical Synthesis of Short DNA Fragments. <i>Chemistry - A European Journal</i> , 2020 , 26, 8857-8861	11.8	12
253	Simple, scalable mechanosynthesis of metal-organic frameworks using liquid-assisted resonant acoustic mixing (LA-RAM). <i>Chemical Science</i> , 2020 , 11, 7578-7584	9.4	22
252	Thermodynamic Evidence of Structural Transformations in CO-Loaded Metal-Organic Framework Zn(Melm) from Heat Capacity Measurements. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4833-4841	16.4	16
251	monitoring of mechanochemical synthesis of calcium urea phosphate fertilizer cocrystal reveals highly effective water-based autocatalysis. <i>Chemical Science</i> , 2020 , 11, 2350-2355	9.4	23
250	Exploring the Scope of Macrocyclic "Shoe-last" Templates in the Mechanochemical Synthesis of RHO Topology Zeolitic Imidazolate Frameworks (ZIFs). <i>Molecules</i> , 2020 , 25,	4.8	3
249	The Morpholinyl Oxygen Atom as an Acceptor Site for Halogen-Bonded Cocrystallization of Organic and MetalOrganic Units. <i>Crystal Growth and Design</i> , 2020 , 20, 3617-3624	3.5	7
248	NMR-Enhanced Crystallography Aids Open MetalOrganic Framework Discovery Using Solvent-Free Accelerated Aging. <i>Chemistry of Materials</i> , 2020 , 32, 4273-4281	9.6	9
247	A diverse view of science to catalyse change: valuing diversity leads to scientific excellence, the progress of science and, most importantly, it is simply the right thing to do. We must value diversity not only in words, but also in actions. <i>Canadian Journal of Chemistry</i> , 2020 , 98, 597-600	0.9	1
246	Rapid mechanoenzymatic saccharification of lignocellulosic biomass without bulk water or chemical pre-treatment. <i>Green Chemistry</i> , 2020 , 22, 3877-3884	10	8
245	Microporosity of a Guanidinium Organodisulfonate Hydrogen-Bonded Framework. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1997-2002	16.4	15

244	Microporosity of a Guanidinium Organodisulfonate Hydrogen-Bonded Framework. <i>Angewandte Chemie</i> , 2020 , 132, 2013-2018	3.6	7
243	Mechanoenzymatic Transformations in the Absence of Bulk Water: A More Natural Way of Using Enzymes. <i>ChemBioChem</i> , 2020 , 21, 742-758	3.8	23
242	From Mineralogy to Crystal Engineering: Potential for Polymorphism in the Metal-Organic Framework Mineral Zhemchuzhnikovite and Its Synthetic Analogues. <i>Crystal Growth and Design</i> , 2020 , 20, 525-532	3.5	3
241	Real-Time in Situ Monitoring of Particle and Structure Evolution in the Mechanochemical Synthesis of UiO-66 Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2020 , 20, 49-54	3.5	22
240	Disappearing Polymorphs in Metal-Organic Framework Chemistry: Unexpected Stabilization of a Layered Polymorph over an Interpenetrated Three-Dimensional Structure in Mercury Imidazolate. <i>Chemistry - A European Journal</i> , 2020 , 26, 1811-1818	4.8	14
239	Manometric real-time studies of the mechanochemical synthesis of zeolitic imidazolate frameworks. <i>Chemical Science</i> , 2020 , 11, 2141-2147	9.4	35
238	Total Syntheses Supramolecular Style: Solid-State Construction of [2.2]Cyclophanes with Modular Control of Stereochemistry. <i>Crystal Growth and Design</i> , 2020 , 20, 2584-2589	3.5	7
237	Mechanochemical Metathesis between AgNO and NaX (X = Cl, Br, I) and AgXNO Double-Salt Formation. <i>Inorganic Chemistry</i> , 2020 , 59, 12200-12208	5.1	2
236	Solvent-Free Mechanochemical Synthesis of Ultrasmall Nickel Phosphide Nanoparticles and Their Application as a Catalyst for the Hydrogen Evolution Reaction (HER). <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12014-12024	8.3	20
235	Challenging the Ostwald rule of stages in mechanochemical cocrystallisation. <i>Chemical Science</i> , 2020 , 11, 10092-10100	9.4	19
234	A diverse view of science to catalyse change. <i>Nature Chemistry</i> , 2020 , 12, 773-776	17.6	7
233	A Diverse View of Science to Catalyse Change. <i>Angewandte Chemie</i> , 2020 , 132, 18462-18466	3.6	0
232	Frontispiece: Mechanochemical Synthesis of Short DNA Fragments. <i>Chemistry - A European Journal</i> , 2020 , 26,	4.8	1
231	Accelerated ageing reactions: towards simpler, solvent-free, low energy chemistry. <i>Green Chemistry</i> , 2020 , 22, 5881-5901	10	22
230	A Diverse View of Science to Catalyse Change. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18306-18310	6.1	10
229	A diverse view of science to catalyse change. <i>Croatica Chemica Acta</i> , 2020 , 93, 77-81	0.8	1
228	Towards Controlling the Reactivity of Enzymes in Mechanochemistry: Inert Surfaces Protect α -Glucosidase Activity During Ball Milling. <i>ChemSusChem</i> , 2020 , 13, 106-110	8.3	17
227	Mechanochemistry for Synthesis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1018-1029	16.4	317

226	Mechanochemistry for Synthesis. <i>Angewandte Chemie</i> , 2020 , 132, 1030-1041	3.6	71
225	Size-Control by Anion Templating in Mechanochemical Synthesis of Hemicucurbiturils in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6230-6234	16.4	21
224	Size-Control by Anion Templating in Mechanochemical Synthesis of Hemicucurbiturils in the Solid State. <i>Angewandte Chemie</i> , 2019 , 131, 6296-6300	3.6	3
223	Mechanoenzymatic Breakdown of Chitinous Material to N-Acetylglucosamine: The Benefits of a Solventless Environment. <i>ChemSusChem</i> , 2019 , 12, 3481-3490	8.3	30
222	Geomimetic approaches in the design and synthesis of metal-organic frameworks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180221	3	8
221	Metal-Organic Frameworks as Fuels for Advanced Applications: Evaluating and Modifying the Combustion Energy of Popular MOFs. <i>Chemistry of Materials</i> , 2019 , 31, 4882-4888	9.6	11
220	Heat capacity and thermodynamic functions of crystalline forms of the metal-organic framework zinc 2-methylimidazolate, Zn(MeIm) ₂ . <i>Journal of Chemical Thermodynamics</i> , 2019 , 136, 160-169	2.9	9
219	Torsion Angle Effect on the Activation of UiO Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15788-15794	9.5	20
218	Theoretical Prediction and Experimental Evaluation of Topological Landscape and Thermodynamic Stability of a Fluorinated Zeolitic Imidazolate Framework. <i>Chemistry of Materials</i> , 2019 , 31, 3777-3783	9.6	22
217	Mechanochemical Synthesis, Accelerated Aging, and Thermodynamic Stability of the Organic Mineral Pateite and Its Cadmium Analogue. <i>ACS Omega</i> , 2019 , 4, 5486-5495	3.9	11
216	Introducing Students to Mechanochemistry via Environmentally Friendly Organic Synthesis Using a Solvent-Free Mechanochemical Preparation of the Antidiabetic Drug Tolbutamide. <i>Journal of Chemical Education</i> , 2019 , 96, 766-771	2.4	34
215	Mechanochemical Phosphorylation of Polymers and Synthesis of Flame-Retardant Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7951-7959	8.3	63
214	Rücktitelbild: Size-Control by Anion Templating in Mechanochemical Synthesis of Hemicucurbiturils in the Solid State (Angew. Chem. 19/2019). <i>Angewandte Chemie</i> , 2019 , 131, 6524-6524	3.6	
213	Functionality in metal-organic framework minerals: proton conductivity, stability and potential for polymorphism. <i>Chemical Science</i> , 2019 , 10, 4923-4929	9.4	24
212	Hypergolic zeolitic imidazolate frameworks (ZIFs) as next-generation solid fuels: Unlocking the latent energetic behavior of ZIFs. <i>Science Advances</i> , 2019 , 5, eaav9044	14.3	31
211	Rational Synthesis of Mixed-Metal Microporous Metal-Organic Frameworks with Controlled Composition Using Mechanochemistry. <i>Chemistry of Materials</i> , 2019 , 31, 5494-5501	9.6	49
210	Hypergolic Triggers as Co-crystal Formers: Co-crystallization for Creating New Hypergolic Materials with Tunable Energy Content. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18399-18404	16.4	14
209	Hypergolic Triggers as Co-crystal Formers: Co-crystallization for Creating New Hypergolic Materials with Tunable Energy Content. <i>Angewandte Chemie</i> , 2019 , 131, 18570-18575	3.6	6

208	Professor William Jones and His Materials Chemistry Group: Innovations and Advances in the Chemistry of Solids. <i>Crystal Growth and Design</i> , 2019 , 19, 1479-1487	3.5	1
207	Cocrystal trimorphism as a consequence of the orthogonality of halogen- and hydrogen-bonds synthons. <i>Chemical Communications</i> , 2019 , 55, 14066-14069	5.8	7
206	Controlling the Polymorphism and Topology Transformation in Porphyrinic Zirconium Metal-Organic Frameworks via Mechanochemistry. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19214-19220	16.4	36
205	Efficient Enzymatic Hydrolysis of Biomass Hemicellulose in the Absence of Bulk Water. <i>Molecules</i> , 2019 , 24,	4.8	19
204	Air oxidation of sulfur mustard gas simulants using a pyrene-based metal-organic framework photocatalyst. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2422-2427	3	9
203	Halogen-bonded cocrystallization with phosphorus, arsenic and antimony acceptors. <i>Nature Communications</i> , 2019 , 10, 61	17.4	60
202	Experimental and Theoretical Investigation of Structures, Stoichiometric Diversity, and Bench Stability of Cocrystals with a Volatile Halogen Bond Donor. <i>Crystal Growth and Design</i> , 2018 , 18, 2387-2398	3.5	18
201	Computational evaluation of metal pentazolate frameworks: inorganic analogues of azolate metal-organic frameworks. <i>Chemical Science</i> , 2018 , 9, 3367-3375	9.4	31
200	Investigation of BINOL-3,3'-dicarboxylate as a ligand for the formation of extended coordination-based structures. <i>Supramolecular Chemistry</i> , 2018 , 30, 488-503	1.8	4
199	Solvent-Free Enzyme Activity: Quick, High-Yielding Mechanoenzymatic Hydrolysis of Cellulose into Glucose. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2621-2624	16.4	52
198	Oxidative Mechanochemistry: Direct, Room-Temperature, Solvent-Free Conversion of Palladium and Gold Metals into Soluble Salts and Coordination Complexes. <i>Angewandte Chemie</i> , 2018 , 130, 2697-2701	3.6	13
197	Oxidative Mechanochemistry: Direct, Room-Temperature, Solvent-Free Conversion of Palladium and Gold Metals into Soluble Salts and Coordination Complexes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2667-2671	16.4	36
196	Solvent-Free Enzyme Activity: Quick, High-Yielding Mechanoenzymatic Hydrolysis of Cellulose into Glucose. <i>Angewandte Chemie</i> , 2018 , 130, 2651-2654	3.6	23
195	Enthalpy friction: heat flow modelling of unexpected temperature profiles in mechanochemistry of metal-organic frameworks. <i>Chemical Science</i> , 2018 , 9, 2525-2532	9.4	52
194	Mechanochemical nanoparticle functionalization for liquid crystal nanocomposites based on COOH-pyridine heterosynthons. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1789-1796	7.1	5
193	Cover Feature: Mechanochemistry for Organic Chemists: An Update (Eur. J. Org. Chem. 1/2018). <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 2-2	3.2	
192	Mechanochemically Enhanced Organic Transformations 2018 , 155-182		
191	Comparison of isomeric meta- and para-diiodotetrafluorobenzene as halogen bond donors in crystal engineering. <i>New Journal of Chemistry</i> , 2018 , 42, 10584-10591	3.6	33

190	Supercritical Carbon Dioxide Enables Rapid, Clean, and Scalable Conversion of a Metal Oxide into Zeolitic Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2018 , 18, 3222-3228	3.5	24
189	Towards the systematic crystallisation of molecular ionic cocrystals: insights from computed crystal form landscapes. <i>Faraday Discussions</i> , 2018 , 211, 401-424	3.6	17
188	Heat capacity and thermodynamic functions of crystalline and amorphous forms of the metal organic framework zinc 2-ethylimidazolate, Zn(EtIm) ₂ . <i>Journal of Chemical Thermodynamics</i> , 2018 , 116, 341-351	2.9	15
187	Use of a "Shoe-Last" Solid-State Template in the Mechanochemical Synthesis of High-Porosity RHO-Zinc Imidazolate. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10104-10108	16.4	19
186	Welcoming Gallium- and Indium-Fumarate MOFs to the Family: Synthesis, Comprehensive Characterization, Observation of Porous Hydrophobicity, and CO Dynamics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28582-28596	9.5	19
185	Why pregnenolone and progesterone, two structurally similar steroids, exhibit remarkably different cocrystallization with aromatic molecules. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 898-904	3.6	5
184	Halogen-Bonded Cocrystals as Optical Materials: Next-Generation Control over Light-Matter Interactions. <i>Crystal Growth and Design</i> , 2018 , 18, 1245-1259	3.5	91
183	Mechanochemistry for Organic Chemists: An Update. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 18-33	3.2	167
182	Mechanochemistry vs. solution growth: striking differences in bench stability of a cimetidine salt based on a synthetic method. <i>CrystEngComm</i> , 2018 , 20, 7242-7247	3.3	5
181	Understanding geology through crystal engineering: coordination complexes, coordination polymers and metal-organic frameworks as minerals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018 , 74, 539-559	1.8	15
180	Highly Photostable and Fluorescent Microporous Solids Prepared via Solid-State Entrapment of Boron Dipyrromethene Dyes in a Nascent Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16882-16887	16.4	38
179	Benign by Design: Green and Scalable Synthesis of Zirconium UiO-Metal-Organic Frameworks by Water-Assisted Mechanochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15841-15849	8.3	77
178	Time-Dependent Density-Functional Theory for Modeling Solid-State Fluorescence Emission of Organic Multicomponent Crystals. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 7514-7521	2.8	2
177	Green and rapid mechanosynthesis of high-porosity NU- and UiO-type metal-organic frameworks. <i>Chemical Communications</i> , 2018 , 54, 6999-7002	5.8	39
176	Cu ²⁺ sorption from aqueous media by a recyclable Ca ²⁺ framework. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 773-781	6.8	28
175	A chlorine-free protocol for processing germanium. <i>Science Advances</i> , 2017 , 3, e1700149	14.3	29
174	Assembly and dichroism of a four-component halogen-bonded metal-organic cocrystal salt solvate involving dicyanoaurate(I) acceptors. <i>Faraday Discussions</i> , 2017 , 203, 441-457	3.6	25
173	Experimental and Theoretical Evaluation of the Stability of True MOF Polymorphs Explains Their Mechanochemical Interconversions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7952-7957	16.4	65

172	Tandem In Situ Monitoring for Quantitative Assessment of Mechanochemical Reactions Involving Structurally Unknown Phases. <i>Chemistry - A European Journal</i> , 2017 , 23, 13941-13949	4.8	52
171	In Situ Monitoring of the Mechanochemical Synthesis of the Archetypal Metal-Organic Framework HKUST-1: Effect of Liquid Additives on the Milling Reactivity. <i>Inorganic Chemistry</i> , 2017 , 56, 6599-6608	5.1	71
170	Mechanochemistry: A Force of Synthesis. <i>ACS Central Science</i> , 2017 , 3, 13-19	16.8	575
169	Carbodiimide insertion into sulfonimides: one-step route to azepine derivatives via a two-atom saccharin ring expansion. <i>Chemical Communications</i> , 2017 , 53, 901-904	5.8	16
168	Efficient and Rapid Mechanochemical Assembly of Platinum(II) Squares for Guanine Quadruplex Targeting. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16913-16922	16.4	34
167	Solid-state mechanochemical functionalization of poly(ethylene glycol). <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1963-1968	2.5	19
166	Mechanically Activated Solvent-Free Assembly of Ultrasmall Bi ₂ S ₃ Nanoparticles: A Novel, Simple, and Sustainable Means To Access Chalcogenide Nanoparticles. <i>Chemistry of Materials</i> , 2017 , 29, 7766-7773	9.6	27
165	Chemistry 2.0: Developing a New, Solvent-Free System of Chemical Synthesis Based on Mechanochemistry. <i>Synlett</i> , 2017 , 28, 2066-2092	2.2	93
164	Metal-organic frameworks meet scalable and sustainable synthesis. <i>Green Chemistry</i> , 2017 , 19, 2729-2747	10	220
163	A Large Family of Halogen-Bonded Cocrystals Involving Metal-Organic Building Blocks with Open Coordination Sites. <i>Crystal Growth and Design</i> , 2017 , 17, 6169-6173	3.5	39
162	The effect of milling frequency on a mechanochemical organic reaction monitored by in situ Raman spectroscopy. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 2160-2168	2.5	40
161	Advances in Solid-State Transformations of Coordination Bonds: From the Ball Mill to the Aging Chamber. <i>Molecules</i> , 2017 , 22,	4.8	84
160	Redox-promoted associative assembly of metal-organic materials. <i>Chemical Science</i> , 2016 , 7, 707-712	9.4	22
159	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P ₄ (NtBu) ₆ : Enabled by Mechanochemistry. <i>Angewandte Chemie</i> , 2016 , 128, 12928-12932	3.6	21
158	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P ₄ (N(t)Bu) ₆ : Enabled by Mechanochemistry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12736-40	16.4	69
157	Minerals with metal-organic framework structures. <i>Science Advances</i> , 2016 , 2, e1600621	14.3	31
156	Photo-induced motion of azo dyes in organized media: from single and liquid crystals, to MOFs and machines. <i>CrystEngComm</i> , 2016 , 18, 7204-7211	3.3	34
155	One-step, solvent-free mechanochemical synthesis of silver nanoparticle-infused lignin composites for use as highly active multidrug resistant antibacterial filters. <i>RSC Advances</i> , 2016 , 6, 58365-58370	3.7	52

154	Mechanochemical and solvent-free assembly of zirconium-based metal-organic frameworks. <i>Chemical Communications</i> , 2016 , 52, 2133-6	5.8	194
153	Azo π -phenyl stacking: a persistent self-assembly motif guides the assembly of fluorinated cis-azobenzenes into photo-mechanical needle crystals. <i>Chemical Communications</i> , 2016 , 52, 2103-6	5.8	29
152	In situ monitoring of vapour-induced assembly of pharmaceutical cocrystals using a benchtop powder X-ray diffractometer. <i>Chemical Communications</i> , 2016 , 52, 5120-3	5.8	22
151	In Situ Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2929-32	16.4	143
150	Exploring the Effect of Temperature on a Mechanochemical Reaction by in Situ Synchrotron Powder X-ray Diffraction. <i>Crystal Growth and Design</i> , 2016 , 16, 2342-2347	3.5	76
149	One-step ligand exchange and switching from hydrophobic to water-stable hydrophilic superparamagnetic iron oxide nanoparticles by mechanochemical milling. <i>Chemical Communications</i> , 2016 , 52, 3054-7	5.8	24
148	Controlling Dichroism of Molecular Crystals by Cocrystallization. <i>Crystal Growth and Design</i> , 2016 , 16, 541-545	3.5	33
147	Towards medicinal mechanochemistry: evolution of milling from pharmaceutical solid form screening to the synthesis of active pharmaceutical ingredients (APIs). <i>Chemical Communications</i> , 2016 , 52, 7760-81	5.8	220
146	Supramolecular imidazolium frameworks: direct analogues of metal azolate frameworks with charge-inverted node-and-linker structure. <i>Chemical Communications</i> , 2015 , 51, 8924-7	5.8	15
145	In situ X-ray diffraction monitoring of a mechanochemical reaction reveals a unique topology metal-organic framework. <i>Nature Communications</i> , 2015 , 6, 6662	17.4	221
144	Highlights from Faraday Discussion 170: challenges and opportunities of modern mechanochemistry, Montreal, Canada, 2014. <i>Chemical Communications</i> , 2015 , 51, 6248-56	5.8	38
143	Metal-catalyzed organic reactions using mechanochemistry. <i>Tetrahedron Letters</i> , 2015 , 56, 4253-4265	2	151
142	Real-Time and In Situ Monitoring of Mechanochemical Reactions: A New Playground for All Chemists. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4129-40	6.4	110
141	Fluorinated azobenzenes with highly strained geometries for halogen bond-driven self-assembly in the solid state. <i>CrystEngComm</i> , 2015 , 17, 73-80	3.3	25
140	Carbon: Inorganic Chemistry 2015 , 1-16		
139	Naturally occurring metal-organic frameworks. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015 , 71, s57-s58	1.7	2
138	Trapping Reactive Intermediates by Mechanochemistry: Elusive Aryl N-Thiocarbamoylbenzotriazoles as Bench-Stable Reagents. <i>Angewandte Chemie</i> , 2015 , 127, 8560-8563	3.6	17
137	Trapping Reactive Intermediates by Mechanochemistry: Elusive Aryl N-Thiocarbamoylbenzotriazoles as Bench-Stable Reagents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8440-3	16.4	59

136	Mechanochemical ruthenium-catalyzed olefin metathesis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2476-9	16.4	117
135	Molecular Recognition of Steroid Hormones in the Solid State: Stark Differences in Cocrystallization of β -Estradiol and Estrone. <i>Crystal Growth and Design</i> , 2015 , 15, 1492-1501	3.5	16
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