Tomislav FriÅ¡ÄiÄ

List of Publications by Year
in descending order

275	25,278	7251 80	9118 149
papers	citations	h-index	g-index

341	341	341	16308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metalâ€Catalyzed Organic Reactions by Resonant Acoustic Mixing**. Angewandte Chemie, 2022, 134, e202115030.	1.6	4
2	Metalâ€Catalyzed Organic Reactions by Resonant Acoustic Mixing**. Angewandte Chemie - International Edition, 2022, 61, e202115030.	7.2	18
3	Metalâ€"organic frameworks as hypergolic additives for hybrid rockets. Chemical Science, 2022, 13, 3424-3436.	3.7	14
4	Cold photo-carving of halogen-bonded co-crystals of a dye and a volatile co-former using visible light. Nature Chemistry, 2022, 14, 574-581.	6.6	17
5	Toward Mechanistic Understanding of Mechanochemical Reactions Using Real-Time <i>In Situ</i> Monitoring. Accounts of Chemical Research, 2022, 55, 1262-1277.	7.6	34
6	Open versus Interpenetrated: Switchable Supramolecular Trajectories in Mechanosynthesis of a Halogen-Bonded Borromean Network. CheM, 2021, 7, 146-154.	5.8	17
7	A new class of anionic metallohelicates based on salicylic and terephthalic acid units, accessible in solution and by mechanochemistry. Chemical Communications, 2021, 57, 5143-5146.	2.2	0
8	Direct determination of the zero-field splitting for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mı ion in a synthetic polymorph of <mml:math		

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19	Mechanochemical methods for the transfer of electrons and exchange of ions: inorganic reactivity from nanoparticles to organometallics. Chemical Society Reviews, 2021, 50, 8279-8318.	18.7	37
20	Simplifying and expanding the scope of boron imidazolate framework (BIF) synthesis using mechanochemistry. Chemical Science, 2021, 12, 14499-14506.	3.7	7
21	Scalable Mechanochemical Amorphization of Bimetallic Cuâˆ’Zn MOF-74 Catalyst for Selective CO₂ Reduction Reaction to Methanol. ACS Applied Materials & Interfaces, 2021, 13, 3070-3077.	4.0	84
22	Towards Controlling the Reactivity of Enzymes in Mechanochemistry: Inert Surfaces Protect Î²â€Glucosidase Activity During Ball Milling. ChemSusChem, 2020, 13, 106-110.	3.6	29
23	Mechanochemistry for Synthesis. Angewandte Chemie - International Edition, 2020, 59, 1018-1029.	7.2	615
24	Mechanochemistry for Synthesis. Angewandte Chemie, 2020, 132, 1030-1041.	1.6	153
25	Microporosity of a Guanidinium Organodisulfonate Hydrogenâ€Bonded Framework. Angewandte Chemie - International Edition, 2020, 59, 1997-2002.	7.2	45
26	Microporosity of a Guanidinium Organodisulfonate Hydrogenâ€Bonded Framework. Angewandte Chemie, 2020, 132, 2013-2018.	1.6	14
27	Mechanoenzymatic Transformations in the Absence of Bulk Water: A More Natural Way of Using Enzymes. ChemBioChem, 2020, 21, 742-758.	1.3	38
28	From Mineralogy to Crystal Engineering: Potential for Polymorphism in the Metalâ€"Organic Framework Mineral Zhemchuzhnikovite and Its Synthetic Analogues. Crystal Growth and Design, 2020, 20, 525-532.	1.4	3
29	Real-Time in Situ Monitoring of Particle and Structure Evolution in the Mechanochemical Synthesis of UiO-66 Metalâ€"Organic Frameworks. Crystal Growth and Design, 2020, 20, 49-54.	1.4	42
30	Disappearing Polymorphs in Metalâ€"Organic Framework Chemistry: Unexpected Stabilization of a Layered Polymorph over an Interpenetrated Threeâ€Dimensional Structure in Mercury Imidazolate. Chemistry - A European Journal, 2020, 26, 1811-1818.	1.7	25
31	Manometric real-time studies of the mechanochemical synthesis of zeolitic imidazolate frameworks. Chemical Science, 2020, 11, 2141-2147.	3.7	64
32	Total Syntheses Supramolecular Style: Solid-State Construction of [2.2]Cyclophanes with Modular Control of Stereochemistry. Crystal Growth and Design, 2020, 20, 2584-2589.	1.4	14
33	Mechanochemical Metathesis between AgNO₃ and NaX (X = Cl, Br, I) and Ag₂XNO₃ Double-Salt Formation. Inorganic Chemistry, 2020, 59, 12200-12208.	1.9	7
34	Solvent-Free Mechanochemical Synthesis of Ultrasmall Nickel Phosphide Nanoparticles and Their Application as a Catalyst for the Hydrogen Evolution Reaction (HER). ACS Sustainable Chemistry and Engineering, 2020, 8, 12014-12024.	3.2	34
35	Challenging the Ostwald rule of stages in mechanochemical cocrystallisation. Chemical Science, 2020, 11, 10092-10100.	3.7	49
36	A Diverse View of Science to Catalyse Change. Journal of the American Chemical Society, 2020, 142, 14393-14396.	6.6	12

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37	A diverse view of science to catalyse change. Nature Chemistry, 2020, 12, 773-776.	6.6	18
38	A diverse view of science to catalyse change. Chemical Science, 2020, 11, 9043-9047.	3.7	4
39	A Diverse View of Science to Catalyse Change. Angewandte Chemie, 2020, 132, 18462-18466.	1.6	2
40	Frontispiece: Mechanochemical Synthesis of Short DNA Fragments. Chemistry - A European Journal, 2020, 26, .	1.7	1
41	Accelerated ageing reactions: towards simpler, solvent-free, low energy chemistry. Green Chemistry, 2020, 22, 5881-5901.	4.6	43
42	A Diverse View of Science to Catalyse Change. Angewandte Chemie - International Edition, 2020, 59, 18306-18310.	7.2	7
43	A diverse view of science to catalyse change. Croatica Chemica Acta, 2020, 93, 77-81.	0.1	2
44	Linker Substituents Control the Thermodynamic Stability in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 21720-21729.	6.6	36
45	Drug-Nutraceutical Co-Crystal and Salts for Making New and Improved Bi-Functional Analgesics. Pharmaceutics, 2020, 12, 1144.	2.0	7
46	Halogen bonding to the azulene Ï€-system: cocrystal design of pleochroism. Chemical Communications, 2020, 56, 15145-15148.	2.2	18
47	Solvent-free ageing reactions of rare earth element oxides: from geomimetic synthesis of new metalâ€“organic materials towards a simple, environmentally friendly separation of scandium. Green Chemistry, 2020, 22, 4364-4375.	4.6	8
48	<i>Ab Initio</i> Prediction of Metal-Organic Framework Structures. Chemistry of Materials, 2020, 32, 5835-5844.	3.2	11
49	Mechanochemical reactions of cocrystals: comparing theory with experiment in the making and breaking of halogen bonds in the solid state. Chemical Communications, 2020, 56, 8293-8296.	2.2	18
50	No regioselectivity for the steroid Î±-face in cocrystallization of exemestane with aromatic cocrystal formers based on phenanthrene and pyrene. Canadian Journal of Chemistry, 2020, 98, 386-393.	0.6	1
51	A Truly Polymorphic Issue in Honor of Prof Joel Bernstein. Crystal Growth and Design, 2020, 20, 2819-2823.	1.4	2
52	Catalytic Roomâ€Temperature Câˆ’N Coupling of Amides and Isocyanates by Using Mechanochemistry. ChemSusChem, 2020, 13, 2966-2972.	3.6	17
53	Mechanochemical Synthesis of Short DNA Fragments. Chemistry - A European Journal, 2020, 26, 8857-8861.	1.7	16
54	Simple, scalable mechanosynthesis of metalâ€“organic frameworks using liquid-assisted resonant acoustic mixing (LA-RAM). Chemical Science, 2020, 11, 7578-7584.	3.7	55

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55	Thermodynamic Evidence of Structural Transformations in CO₂-Loaded Metalâ€“Organic Framework Zn(MeIm)₂ from Heat Capacity Measurements. Journal of the American Chemical Society, 2020, 142, 4833-4841.	6.6	22
56	In situ monitoring of mechanochemical synthesis of calcium urea phosphate fertilizer cocrystal reveals highly effective water-based autocatalysis. Chemical Science, 2020, 11, 2350-2355.	3.7	40
57	Exploring the Scope of Macrocyclic â€œShoe-lastâ€•Templates in the Mechanochemical Synthesis of RHO Topology Zeolitic Imidazolate Frameworks (ZIFs). Molecules, 2020, 25, 633.	1.7	3
58	The Morpholinyl Oxygen Atom as an Acceptor Site for Halogen-Bonded Cocrystallization of Organic and Metalâ€“Organic Units. Crystal Growth and Design, 2020, 20, 3617-3624.	1.4	14
59	NMR-Enhanced Crystallography Aids Open Metalâ€“Organic Framework Discovery Using Solvent-Free Accelerated Aging. Chemistry of Materials, 2020, 32, 4273-4281.	3.2	19
60	Rapid mechanoenzymatic saccharification of lignocellulosic biomass without bulk water or chemical pre-treatment. Green Chemistry, 2020, 22, 3877-3884.	4.6	21
61	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. Canadian Journal of Chemistry, 2020, 98, 597-600.	0.6	2
62	Pore-Scale Modeling of the Fuel Cell Catalyst Layer: The Role of Nafion Thin Films. ECS Meeting Abstracts, 2020, MA2020-01, 124-124.	0.0	0
63	Rational Synthesis of Mixed-Metal Microporous Metalâ€“Organic Frameworks with Controlled Composition Using Mechanochemistry. Chemistry of Materials, 2019, 31, 5494-5501.	3.2	96
64	Hypergolic Triggers as Coâ€crystal Formers: Coâ€crystallization for Creating New Hypergolic Materials with Tunable Energy Content. Angewandte Chemie - International Edition, 2019, 58, 18399-18404.	7.2	25
65	Hypergolic Triggers as Coâ€crystal Formers: Coâ€crystallization for Creating New Hypergolic Materials with Tunable Energy Content. Angewandte Chemie, 2019, 131, 18570-18575.	1.6	7
66	Sizeâ€Control by Anion Templating in Mechanochemical Synthesis of Hemicucurbiturils in the Solid State. Angewandte Chemie - International Edition, 2019, 58, 6230-6234.	7.2	34
67	Sizeâ€Control by Anion Templating in Mechanochemical Synthesis of Hemicucurbiturils in the Solid State. Angewandte Chemie, 2019, 131, 6296-6300.	1.6	8
68	Mechanoenzymatic Breakdown of Chitinous Material to <i>N</i>â€Acetylglucosamine: The Benefits of a Solventless Environment. ChemSusChem, 2019, 12, 3481-3490.	3.6	47
69	Geomimetic approaches in the design and synthesis of metal-organic frameworks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180221.	1.6	14
70	Metalâ€“Organic Frameworks as Fuels for Advanced Applications: Evaluating and Modifying the Combustion Energy of Popular MOFs. Chemistry of Materials, 2019, 31, 4882-4888.	3.2	21
71	Heat capacity and thermodynamic functions of crystalline forms of the metal-organic framework zinc 2-methylimidazolate, Zn(MeIm)2. Journal of Chemical Thermodynamics, 2019, 136, 160-169.	1.0	11
72	Torsion Angle Effect on the Activation of UiO Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2019, 11, 15788-15794.	4.0	31

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73	Theoretical Prediction and Experimental Evaluation of Topological Landscape and Thermodynamic Stability of a Fluorinated Zeolitic Imidazolate Framework. Chemistry of Materials, 2019, 31, 3777-3783.	3.2	31
74	Mechanochemical Synthesis, Accelerated Aging, and Thermodynamic Stability of the Organic Mineral Paceite and Its Cadmium Analogue. ACS Omega, 2019, 4, 5486-5495.	1.6	17
75	Introducing Students to Mechanochemistry via Environmentally Friendly Organic Synthesis Using a Solvent-Free Mechanochemical Preparation of the Antidiabetic Drug Tolbutamide. Journal of Chemical Education, 2019, 96, 766-771.	1.1	44
76	Mechanochemical Phosphorylation of Polymers and Synthesis of Flame-Retardant Cellulose Nanocrystals. ACS Sustainable Chemistry and Engineering, 2019, 7, 7951-7959.	3.2	98
77	RÃ¼cktitelbild: Sizeâ€Control by Anion Templating in Mechanochemical Synthesis of Hemicucurbiturils in the Solid State (Angew. Chem. 19/2019). Angewandte Chemie, 2019, 131, 6524-6524.	1.6	0
78	Functionality in metalâ€“organic framework minerals: proton conductivity, stability and potential for polymorphism. Chemical Science, 2019, 10, 4923-4929.	3.7	32
79	Hypergolic zeolitic imidazolate frameworks (ZIFs) as next-generation solid fuels: Unlocking the latent energetic behavior of ZIFs. Science Advances, 2019, 5, eaav9044.	4.7	52
80	Professor William Jones and His Materials Chemistry Group: Innovations and Advances in the Chemistry of Solids. Crystal Growth and Design, 2019, 19, 1479-1487.	1.4	2
81	Cocrystal trimorphism as a consequence of the orthogonality of halogen- and hydrogen-bonds synthons. Chemical Communications, 2019, 55, 14066-14069.	2.2	13
82	Controlling the Polymorphism and Topology Transformation in Porphyrinic Zirconium Metalâ€“Organic Frameworks via Mechanochemistry. Journal of the American Chemical Society, 2019, 141, 19214-19220.	6.6	73
83	Efficient Enzymatic Hydrolysis of Biomass Hemicellulose in the Absence of Bulk Water. Molecules, 2019, 24, 4206.	1.7	35
84	Air oxidation of sulfur mustard gas simulants using a pyrene-based metalâ€“organic framework photocatalyst. Beilstein Journal of Nanotechnology, 2019, 10, 2422-2427.	1.5	14
85	Halogen-bonded cocrystallization with phosphorus, arsenic and antimony acceptors. Nature Communications, 2019, 10, 61.	5.8	78
86	Multiphysics Simulation of Fuel Cell Catalyst Layer Performance with Pore-Scale Resolution from Ionomer Domains to Inter-Agglomerate Pores. ECS Meeting Abstracts, 2019, , .	0.0	0
87	Experimental and Theoretical Investigation of Structures, Stoichiometric Diversity, and Bench Stability of Cocrystals with a Volatile Halogen Bond Donor. Crystal Growth and Design, 2018, 18, 2387-2396.	1.4	19
88	Computational evaluation of metal pentazolate frameworks: inorganic analogues of azolate metalâ€“organic frameworks. Chemical Science, 2018, 9, 3367-3375.	3.7	39
89	Investigation of BINOL-3,3â€²-dicarboxylate as a ligand for the formation of extended coordination-based structures. Supramolecular Chemistry, 2018, 30, 488-503.	1.5	4
90	Solventâ€Free Enzyme Activity: Quick, Highâ€Yielding Mechanoenzymatic Hydrolysis of Cellulose into Glucose. Angewandte Chemie - International Edition, 2018, 57, 2621-2624.	7.2	72

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91	Oxidative Mechanochemistry: Direct, Roomâ€Temperature, Solventâ€Free Conversion of Palladium and Gold Metals into Soluble Salts and Coordination Complexes. Angewandte Chemie, 2018, 130, 2697-2701.	1.6	17
92	Oxidative Mechanochemistry: Direct, Roomâ€Temperature, Solventâ€Free Conversion of Palladium and Gold Metals into Soluble Salts and Coordination Complexes. Angewandte Chemie - International Edition, 2018, 57, 2667-2671.	7.2	52
93	Solventâ€Free Enzyme Activity: Quick, Highâ€Yielding Mechanoenzymatic Hydrolysis of Cellulose into Glucose. Angewandte Chemie, 2018, 130, 2651-2654.	1.6	34
94	Enthalpy <i>vs.</i> friction: heat flow modelling of unexpected temperature profiles in mechanochemistry of metalâ€“organic frameworks. Chemical Science, 2018, 9, 2525-2532.	3.7	77
95	Mechanochemical nanoparticle functionalization for liquid crystal nanocomposites based on COOH-pyridine heterosynthons. Journal of Materials Chemistry C, 2018, 6, 1789-1796.	2.7	6
96	Cover Feature: Mechanochemistry for Organic Chemists: An Update (Eur. J. Org. Chem. 1/2018). European Journal of Organic Chemistry, 2018, 2018, 2-2.	1.2	1
97	Comparison of isomeric<i>meta</i>- and<i>para</i>-diiodotetrafluorobenzene as halogen bond donors in crystal engineering. New Journal of Chemistry, 2018, 42, 10584-10591.	1.4	42
98	Supercritical Carbon Dioxide Enables Rapid, Clean, and Scalable Conversion of a Metal Oxide into Zeolitic Metalâ€“Organic Frameworks. Crystal Growth and Design, 2018, 18, 3222-3228.	1.4	36
99	Towards the systematic crystallisation of molecular ionic cocrystals: insights from computed crystal form landscapes. Faraday Discussions, 2018, 211, 401-424.	1.6	20
100	Heat capacity and thermodynamic functions of crystalline and amorphous forms of the metal organic framework zinc 2-ethylimidazolate, Zn(EtIm)2. Journal of Chemical Thermodynamics, 2018, 116, 341-351.	1.0	19
101	Why pregnenolone and progesterone, two structurally similar steroids, exhibit remarkably different cocrystallization with aromatic molecules. Physical Chemistry Chemical Physics, 2018, 20, 898-904.	1.3	5
102	Halogen-Bonded Cocrystals as Optical Materials: Next-Generation Control over Lightâ€“Matter Interactions. Crystal Growth and Design, 2018, 18, 1245-1259.	1.4	115
103	Mechanochemistry for Organic Chemists: An Update. European Journal of Organic Chemistry, 2018, 2018, 18-33.	1.2	245
104	Mechanochemistry<i>vs.</i>solution growth: striking differences in bench stability of a cimetidine salt based on a synthetic method. CrystEngComm, 2018, 20, 7242-7247.	1.3	7
105	Understanding geology through crystal engineering: coordination complexes, coordination polymers and metalâ€“organic frameworks as minerals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 539-559.	0.5	18
106	Highly Photostable and Fluorescent Microporous Solids Prepared via Solid-State Entrapment of Boron Dipyrromethene Dyes in a Nascent Metalâ€“Organic Framework. Journal of the American Chemical Society, 2018, 140, 16882-16887.	6.6	56
107	Benign by Design: Green and Scalable Synthesis of Zirconium UiO-Metalâ€“Organic Frameworks by Water-Assisted Mechanochemistry. ACS Sustainable Chemistry and Engineering, 2018, 6, 15841-15849.	3.2	120
108	Time-Dependent Density-Functional Theory for Modeling Solid-State Fluorescence Emission of Organic Multicomponent Crystals. Journal of Physical Chemistry A, 2018, 122, 7514-7521.	1.1	9

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109	Green and rapid mechanosynthesis of high-porosity NU- and UiO-type metalâ€“organic frameworks. Chemical Communications, 2018, 54, 6999-7002.	2.2	63
110	Use of a â€œShoe-Lastâ€• Solid-State Template in the Mechanochemical Synthesis of High-Porosity RHO-Zinc Imidazolate. Journal of the American Chemical Society, 2018, 140, 10104-10108.	6.6	27
111	Welcoming Gallium- and Indium-Fumarate MOFs to the Family: Synthesis, Comprehensive Characterization, Observation of Porous Hydrophobicity, and CO₂ Dynamics. ACS Applied Materials & Interfaces, 2018, 10, 28582-28596.	4.0	30
112	Cu²⁺ sorption from aqueous media by a recyclable Ca²⁺ framework. Inorganic Chemistry Frontiers, 2017, 4, 773-781.	3.0	37
113	A chlorine-free protocol for processing germanium. Science Advances, 2017, 3, e1700149.	4.7	41
114	Assembly and dichroism of a four-component halogen-bonded metalâ€“organic cocrystal salt solvate involving dicyanoaurate(I) acceptors. Faraday Discussions, 2017, 203, 441-457.	1.6	29
115	Experimental and Theoretical Evaluation of the Stability of True MOF Polymorphs Explains Their Mechanochemical Interconversions. Journal of the American Chemical Society, 2017, 139, 7952-7957.	6.6	93
116	Tandem In Situ Monitoring for Quantitative Assessment of Mechanochemical Reactions Involving Structurally Unknown Phases. Chemistry - A European Journal, 2017, 23, 13941-13949.	1.7	70
117	In Situ Monitoring of the Mechanosynthesis of the Archetypal Metalâ€“Organic Framework HKUST-1: Effect of Liquid Additives on the Milling Reactivity. Inorganic Chemistry, 2017, 56, 6599-6608.	1.9	98
118	Mechanochemistry: A Force of Synthesis. ACS Central Science, 2017, 3, 13-19.	5.3	868
119	Carbodiimide insertion into sulfonimides: one-step route to azepine derivatives via a two-atom saccharin ring expansion. Chemical Communications, 2017, 53, 901-904.	2.2	19
120	Efficient and Rapid Mechanochemical Assembly of Platinum(II) Squares for Guanine Quadruplex Targeting. Journal of the American Chemical Society, 2017, 139, 16913-16922.	6.6	48
121	Mechanically Activated Solvent-Free Assembly of Ultrasmall Bi₂S₃ Nanoparticles: A Novel, Simple, and Sustainable Means To Access Chalcogenide Nanoparticles. Chemistry of Materials, 2017, 29, 7766-7773.	3.2	39
122	Chemistry 2.0: Developing a New, Solvent-Free System of Chemical Synthesis Based on Mechanochemistry. Synlett, 2017, 28, 2066-2092.	1.0	119
123	Metalâ€“organic frameworks meet scalable and sustainable synthesis. Green Chemistry, 2017, 19, 2729-2747.	4.6	327
124	A Large Family of Halogen-Bonded Cocrystals Involving Metalâ€“Organic Building Blocks with Open Coordination Sites. Crystal Growth and Design, 2017, 17, 6169-6173.	1.4	42
125	The effect of milling frequency on a mechanochemical organic reaction monitored by in situ Raman spectroscopy. Beilstein Journal of Organic Chemistry, 2017, 13, 2160-2168.	1.3	58
126	Advances in Solid-State Transformations of Coordination Bonds: From the Ball Mill to the Aging Chamber. Molecules, 2017, 22, 144.	1.7	116

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127	Solid-state mechanochemical Ï‰-functionalization of poly(ethylene glycol). Beilstein Journal of Organic Chemistry, 2017, 13, 1963-1968.	1.3	24
128	2016 New talent: crystal engineering at its biggest and strongest. CrystEngComm, 2016, 18, 3963-3967.	1.3	1
129	Towards medicinal mechanochemistry: evolution of milling from pharmaceutical solid form screening to the synthesis of active pharmaceutical ingredients (APIs). Chemical Communications, 2016, 52, 7760-7781.	2.2	303
130	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P₄(N^{<i>t</i>}Bu)₆: Enabled by Mechanochemistry. Angewandte Chemie, 2016, 128, 12928-12932.	1.6	30
131	The First Synthesis of the Sterically Encumbered Adamantoid Phosphazane P₄(N^{<i>t</i>}Bu)₆: Enabled by Mechanochemistry. Angewandte Chemie - International Edition, 2016, 55, 12736-12740.	7.2	98
132	Minerals with metal-organic framework structures. Science Advances, 2016, 2, e1600621.	4.7	48
133	Photo-induced motion of azo dyes in organized media: from single and liquid crystals, to MOFs and machines. CrystEngComm, 2016, 18, 7204-7211.	1.3	40
134	One-step, solvent-free mechanosynthesis of silver nanoparticle-infused lignin composites for use as highly active multidrug resistant antibacterial filters. RSC Advances, 2016, 6, 58365-58370.	1.7	61
135	Mechanochemical and solvent-free assembly of zirconium-based metalâ€“organic frameworks. Chemical Communications, 2016, 52, 2133-2136.	2.2	256
136	Azoâ‹¯phenyl stacking: a persistent self-assembly motif guides the assembly of fluorinated cis-azobenzenes into photo-mechanical needle crystals. Chemical Communications, 2016, 52, 2103-2106.	2.2	35
137	In situ monitoring of vapour-induced assembly of pharmaceutical cocrystals using a benchtop powder X-ray diffractometer. Chemical Communications, 2016, 52, 5120-5123.	2.2	26
138	<i>In Situ</i> Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. Journal of the American Chemical Society, 2016, 138, 2929-2932.	6.6	194
139	Exploring the Effect of Temperature on a Mechanochemical Reaction by in Situ Synchrotron Powder X-ray Diffraction. Crystal Growth and Design, 2016, 16, 2342-2347.	1.4	93
140	One-step ligand exchange and switching from hydrophobic to water-stable hydrophilic superparamagnetic iron oxide nanoparticles by mechanochemical milling. Chemical Communications, 2016, 52, 3054-3057.	2.2	31
141	Controlling Dichroism of Molecular Crystals by Cocrystallization. Crystal Growth and Design, 2016, 16, 541-545.	1.4	41
142	Redox-promoted associative assembly of metalâ€“organic materials. Chemical Science, 2016, 7, 707-712.	3.7	25
143	Naturally occuring metal-organic frameworks. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s57-s58.	0.0	2
144	Trapping Reactive Intermediates by Mechanochemistry: Elusive Aryl <i>N</i>â€Thiocarbamoylbenzotriazoles as Benchâ€Stable Reagents. Angewandte Chemie - International Edition, 2015, 54, 8440-8443.	7.2	74

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145	Mechanochemical Ruthenium-Catalyzed Olefin Metathesis. Journal of the American Chemical Society, 2015, 137, 2476-2479.	6.6	134
146	Molecular Recognition of Steroid Hormones in the Solid State: Stark Differences in Cocrystallization of Î²-Estradiol and Estrone. Crystal Growth and Design, 2015, 15, 1492-1501.	1.4	21
147	A mechanochemical strategy for IRMOF assembly based on pre-designed oxo-zinc precursors. Chemical Communications, 2015, 51, 4032-4035.	2.2	117
148	Supramolecular imidazolium frameworks: direct analogues of metal azolate frameworks with charge-inverted node-and-linker structure. Chemical Communications, 2015, 51, 8924-8927.	2.2	22
149	In situ X-ray diffraction monitoring of a mechanochemical reaction reveals a unique topology metal-organic framework. Nature Communications, 2015, 6, 6662.	5.8	294
150	Highlights from Faraday discussion 170: Challenges and opportunities of modern mechanochemistry, Montreal, Canada, 2014. Chemical Communications, 2015, 51, 6248-6256.	2.2	45
151	Metal-catalyzed organic reactions using mechanochemistry. Tetrahedron Letters, 2015, 56, 4253-4265.	0.7	172
152	Real-Time and In Situ Monitoring of Mechanochemical Reactions: A New Playground for All Chemists. Journal of Physical Chemistry Letters, 2015, 6, 4129-4140.	2.1	149
153	Fluorinated azobenzenes with highly strained geometries for halogen bond-driven self-assembly in the solid state. CrystEngComm, 2015, 17, 73-80.	1.3	27
154	Environmentally-Friendly Designs and Syntheses of Metal-Organic Frameworks (MOFs). ACS Symposium Series, 2014, , 161-183.	0.5	12
155	Probing solid-state reaction mechanisms with THz-TDS. , 2014, , .		0
156	Chapter 7. Ball-milling Mechanochemical Synthesis of Coordination Bonds: Discrete Units, Polymers and Porous Materials. RSC Green Chemistry, 2014, , 151-189.	0.0	5
157	Synthesis of an extended halogen-bonded metalâ€“organic structure in a one-pot mechanochemical reaction that combines covalent bonding, coordination chemistry and supramolecular synthesis. CrystEngComm, 2014, 16, 10169-10172.	1.3	41
158	Mimicking mineral neogenesis for the clean synthesis of metalâ€“organic materials from mineral feedstocks: coordination polymers, MOFs and metal oxide separation. Green Chemistry, 2014, 16, 121-132.	4.6	46
159	Laboratory Realâ€Time and In Situ Monitoring of Mechanochemical Milling Reactions by Raman Spectroscopy. Angewandte Chemie - International Edition, 2014, 53, 6193-6197.	7.2	160
160	Mechanosynthesis of pharmaceutically relevant sulfonyl-(thio)ureas. Chemical Communications, 2014, 50, 5248-5250.	2.2	114
161	Mechanosynthesis of ultra-small monodisperse amine-stabilized gold nanoparticles with controllable size. Green Chemistry, 2014, 16, 86-89.	4.6	92
162	Mechanochemical synthesis of Au, Pd, Ru and Re nanoparticles with lignin as a bio-based reducing agent and stabilizing matrix. Faraday Discussions, 2014, 170, 155-167.	1.6	81

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163	Quantitative in situ and real-time monitoring of mechanochemical reactions. Faraday Discussions, 2014, 170, 203-221.	1.6	73
164	2014 International year of crystallography celebration: North America. CrystEngComm, 2014, 16, 7160.	1.3	1
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