

Stipe Lukin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8257251/publications.pdf>

Version: 2024-02-01

25
papers

779
citations

471061

17
h-index

580395

25
g-index

29
all docs

29
docs citations

29
times ranked

748
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.9	98
2	Direct Mechanochemical Synthesis: Palladium as Milling Media and Catalyst in the Mechanochemical Suzuki Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18942-18947.	7.2	75
3	Tandem In Situ Monitoring for Quantitative Assessment of Mechanochemical Reactions Involving Structurally Unknown Phases. <i>Chemistry - A European Journal</i> , 2017, 23, 13941-13949.	1.7	70
4	Control of Pharmaceutical Cocrystal Polymorphism on Various Scales by Mechanochemistry: Transfer from the Laboratory Batch to the Large-Scale Extrusion Processing. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7102-7110.	3.2	47
5	Mechanochemical carbon-carbon bond formation that proceeds via a cocrystal intermediate. <i>Chemical Communications</i> , 2018, 54, 13216-13219.	2.2	46
6	Raman spectroscopy for real-time and in situ monitoring of mechanochemical milling reactions. <i>Nature Protocols</i> , 2021, 16, 3492-3521.	5.5	46
7	Direct Visualization of a Mechanochemically Induced Molecular Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13458-13462.	7.2	41
8	Solvent-free copper-catalyzed click chemistry for the synthesis of N-heterocyclic hybrids based on quinoline and 1,2,3-triazole. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2352-2363.	1.3	40
9	Mechanochemical Preparation of Active Pharmaceutical Ingredients Monitored by In Situ Raman Spectroscopy. <i>ACS Omega</i> , 2020, 5, 28663-28672.	1.6	38
10	Isotope Labeling Reveals Fast Atomic and Molecular Exchange in Mechanochemical Milling Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 1212-1216.	6.6	34
11	Toward Mechanistic Understanding of Mechanochemical Reactions Using Real-Time In Situ Monitoring. <i>Accounts of Chemical Research</i> , 2022, 55, 1262-1277.	7.6	34
12	Mechanism of Mechanochemical C-H Bond Activation in an Azobenzene Substrate by Pd Catalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 10672-10682.	1.7	28
13	Experimental and Theoretical Study of Selectivity in Mechanochemical Cocrystallization of Nicotinamide with Anthranilic and Salicylic Acid. <i>Crystal Growth and Design</i> , 2018, 18, 1539-1547.	1.4	22
14	Solid-State Chemistry and Polymorphism of the Nucleobase Adenine. <i>Crystal Growth and Design</i> , 2016, 16, 3262-3270.	1.4	21
15	In Situ and Real Time Monitoring of Mechanochemical Preparation of $\text{Li}_2\text{Mg}(\text{NH})_2\text{BH}_3$ and $\text{Na}_2\text{Mg}(\text{NH})_2\text{BH}_3$ and Their Thermal Dehydrogenation. <i>Chemistry - A European Journal</i> , 2017, 23, 16274-16282.	1.7	21
16	Impact of dehydration and mechanical amorphization on the magnetic properties of Ni-MOF-74. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7132-7142.	2.7	21
17	Mechanistic Insights on the Mechanochemical Synthesis of Phenytoin, a WHO Essential Medicine**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	20
18	Kabachnik-Fields Reaction by Mechanochemistry: New Horizons from Old Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18889-18902.	3.2	18

#	ARTICLE	IF	CITATIONS
19	Using Desmotropes, Cocrystals, and Salts to Manipulate Reactivity in Mechanochemical Organic Reactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 14160-14168.	1.7	14
20	Direct Visualization of a Mechanochemically Induced Molecular Rearrangement. <i>Angewandte Chemie</i> , 2020, 132, 13560-13564.	1.6	12
21	Reversible Gas-Solid Ammonia N-H Bond Activation Mediated by an Organopalladium Complex. <i>Inorganic Chemistry</i> , 2017, 56, 5342-5351.	1.9	11
22	Mechanochemical Metathesis between AgNO_3 and NaX (X = Cl, Br, I) and Ag_2XNO_3 Double-Salt Formation. <i>Inorganic Chemistry</i> , 2020, 59, 12200-12208.	1.9	7
23	DNA-specific selectivity in pairing of model nucleobases in the solid state. <i>Chemical Communications</i> , 2020, 56, 13524-13527.	2.2	7
24	Mechanochemical Synthesis and Thermal Dehydrogenation of Novel Calcium-Containing Bimetallic Amidoboranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2089-2099.	3.2	5
25	Solid-State Supramolecular Assembly of Salicylic Acid and 2-Pyridone, 3-Hydroxypyridine or 4-Pyridone. <i>Croatica Chemica Acta</i> , 2017, 90, .	0.1	2