

Ana M Belenguer

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,751
citations

516710

16
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time and in situ monitoring of mechanochemical milling reactions. <i>Nature Chemistry</i> , 2013, 5, 66-73.	13.6	493
2	Two-stage directed self-assembly of a cyclic [3]catenane. <i>Nature Chemistry</i> , 2015, 7, 354-358.	13.6	175
3	Solid-state dynamic combinatorial chemistry: reversibility and thermodynamic product selection in covalent mechanosynthesis. <i>Chemical Science</i> , 2011, 2, 696.	7.4	165
4	Real-time In situ Powder X-ray Diffraction Monitoring of Mechanochemical Synthesis of Pharmaceutical Cocrystals. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11538-11541.	13.8	141
5	Pressure promoted low-temperature melting of metal-organic frameworks. <i>Nature Materials</i> , 2019, 18, 370-376.	27.5	134
6	In situ and real-time monitoring of mechanochemical milling reactions using synchrotron X-ray diffraction. <i>Nature Protocols</i> , 2013, 8, 1718-1729.	12.0	132
7	Tribochemistry, Mechanical Alloying, Mechanochemistry: What is in a Name?. <i>Frontiers in Chemistry</i> , 2021, 9, 685789.	3.6	108
8	Understanding the Influence of Surface Solvation and Structure on Polymorph Stability: A Combined Mechanochemical and Theoretical Approach. <i>Journal of the American Chemical Society</i> , 2018, 140, 17051-17059.	13.7	51
9	Changing the game of time resolved X-ray diffraction on the mechanochemistry playground by downsizing. <i>Nature Communications</i> , 2021, 12, 6134.	12.8	50
10	Direct Observation of Intermediates in a Thermodynamically Controlled Solid-State Dynamic Covalent Reaction. <i>Journal of the American Chemical Society</i> , 2014, 136, 16156-16166.	13.7	48
11	Understanding the unexpected effect of frequency on the kinetics of a covalent reaction under ball-milling conditions. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1226-1235.	2.2	45
12	An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. <i>Cancer Research</i> , 2019, 79, 5407-5417.	0.9	31
13	Dynamic Covalent Chemistry under High-Pressure: A New Route to Disulfide Metathesis. <i>Chemistry - A European Journal</i> , 2018, 24, 8769-8773.	3.3	28
14	On the prevalence of smooth polymorphs at the nanoscale: implications for pharmaceuticals. <i>CrystEngComm</i> , 2019, 21, 2203-2211.	2.6	20
15	Reliable Mechanochemistry: Protocols for Reproducible Outcomes of Neat and Liquid Assisted Ball-mill Grinding Experiments. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	8
16	Implications of Thermodynamic Control: Dynamic Equilibrium Under Ball Mill Grinding Conditions. <i>Israel Journal of Chemistry</i> , 0, , .	2.3	7
17	Quantitative reversible one pot interconversion of three crystalline polymorphs by ball mill grinding. <i>CrystEngComm</i> , 2022, 24, 4256-4261.	2.6	7
18	Tailored Mobility in a Zeolite Imidazolate Framework (ZIF) Antibody Conjugate**. <i>Chemistry - A European Journal</i> , 2021, 27, 9414-9421.	3.3	5

#	ARTICLE	IF	CITATIONS
19	Using Solid Catalysts in Disulfide-Based Dynamic Combinatorial Solution and Mechanochemistry. ChemSusChem, 2022, 15, .	6.8	5
20	Innenr¼cktitelbild: Real-Time In-Situ Powder X-ray Diffraction Monitoring of Mechanochemical Synthesis of Pharmaceutical Cocrystals (Angew. Chem. 44/2013). Angewandte Chemie, 2013, 125, 11881-11881.	2.0	0