

Stefan Borsley

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2220879/publications.pdf>

Version: 2024-02-01

24
papers

618
citations

567281

15
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical engines: driving systems away from equilibrium through catalyst reaction cycles. <i>Nature Nanotechnology</i> , 2021, 16, 1057-1067.	31.5	70
2	The Energetic Significance of Metallophilic Interactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12617-12623.	13.8	65
3	Autonomous fuelled directional rotation about a covalent single bond. <i>Nature</i> , 2022, 604, 80-85.	27.8	63
4	A Doubly Kinetically-Gated Information Ratchet Autonomously Driven by Carbodiimide Hydration. <i>Journal of the American Chemical Society</i> , 2021, 143, 4414-4420.	13.7	55
5	Chemical fuels for molecular machinery. <i>Nature Chemistry</i> , 2022, 14, 728-738.	13.6	53
6	Dynamic covalent assembly and disassembly of nanoparticle aggregates. <i>Chemical Communications</i> , 2016, 52, 9117-9120.	4.1	41
7	Transmembrane Ion Channels Formed by a Star of David [2]Catenane and a Molecular Pentafoil Knot. <i>Journal of the American Chemical Society</i> , 2020, 142, 18859-18865.	13.7	38
8	Switchable foldamer ion channels with antibacterial activity. <i>Chemical Science</i> , 2020, 11, 7023-7030.	7.4	34
9	Synthetically Diversified Protein Nanopores: Resolving Click Reaction Mechanisms. <i>ACS Nano</i> , 2019, 13, 4101-4110.	14.6	31
10	Reconciling Electrostatic and π -Orbital Contributions in Carbonyl Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14602-14608.	13.8	25
11	Discrimination of supramolecular chirality using a protein nanopore. <i>Chemical Science</i> , 2017, 8, 5005-5009.	7.4	22
12	In Situ Synthetic Functionalization of a Transmembrane Protein Nanopore. <i>ACS Nano</i> , 2018, 12, 786-794.	14.6	22
13	Electrostatic Forces in Field-Perturbed Equilibria: Nanopore Analysis of Cage Complexes. <i>CheM</i> , 2019, 5, 1275-1292.	11.7	17
14	Rapid and simple preparation of remarkably stable binary nanoparticle planet-satellite assemblies. <i>Chemical Communications</i> , 2015, 51, 7812-7815.	4.1	16
15	Reversible stimuli-responsive chromism of a cyclometallated platinum complex. <i>Chemical Communications</i> , 2020, 56, 14705-14708.	4.1	16
16	Dissecting Solvent Effects on Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	16
17	Nanopore Detection of Single-Molecule Binding within a Metallosupramolecular Cage. <i>Chemistry - A European Journal</i> , 2018, 24, 4542-4546.	3.3	12
18	The Energetic Significance of Metallophilic Interactions. <i>Angewandte Chemie</i> , 2019, 131, 12747-12753.	2.0	11

#	ARTICLE	IF	CITATIONS
19	Reconciling Electrostatic and π -Orbital Contributions in Carbonyl Interactions. <i>Angewandte Chemie</i> , 2020, 132, 14710-14716.	2.0	8
20	Dissecting Solvent Effects on Hydrogen Bonding. <i>Angewandte Chemie</i> , 0, , .	2.0	2
21	Switchable selectivity within a series of boronate esters for dynamic covalent exchange in nonaqueous solvents. <i>Supramolecular Chemistry</i> , 2018, 30, 772-781.	1.2	1
22	Magnetic Nanoparticles: general discussion. <i>Faraday Discussions</i> , 2014, 175, 113-135.	3.2	0
23	Other Nanoparticles: general discussion. <i>Faraday Discussions</i> , 2014, 175, 289-303.	3.2	0
24	Optical nanoparticles: general discussion. <i>Faraday Discussions</i> , 2014, 175, 215-227.	3.2	0