Stefan Borsley

List of Publications by Year
in descending order

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	Autonomous fuelled directional rotation about a covalent single bond. Nature, 2022, 604, 80-85.	27.8	63
2	Dissecting Solvent Effects on Hydrogen Bonding. Angewandte Chemie - International Edition, 2022, 61, .	13.8	16
3	Chemical fuels for molecular machinery. Nature Chemistry, 2022, 14, 728-738.	13.6	53
4	A Doubly Kinetically-Gated Information Ratchet Autonomously Driven by Carbodiimide Hydration. Journal of the American Chemical Society, 2021, 143, 4414-4420.	13.7	55
5	Chemical engines: driving systems away from equilibrium through catalyst reaction cycles. Nature Nanotechnology, 2021, 16, 1057-1067.	31.5	70
6	Transmembrane Ion Channels Formed by a Star of David [2]Catenane and a Molecular Pentafoil Knot. Journal of the American Chemical Society, 2020, 142, 18859-18865.	13.7	38
7	Reversible stimuli-responsive chromism of a cyclometallated platinum(<scp>ii</scp>) complex. Chemical Communications, 2020, 56, 14705-14708.	4.1	16
8	Reconciling Electrostatic and nâ†'Ï€* Orbital Contributions in Carbonyl Interactions. Angewandte Chemie - International Edition, 2020, 59, 14602-14608.	13.8	25
9	Switchable foldamer ion channels with antibacterial activity. Chemical Science, 2020, 11, 7023-7030.	7.4	34
10	Reconciling Electrostatic and nâ†'Ï€* Orbital Contributions in Carbonyl Interactions. Angewandte Chemie, 2020, 132, 14710-14716.	2.0	8
11	The Energetic Significance of Metallophilic Interactions. Angewandte Chemie - International Edition, 2019, 58, 12617-12623.	13.8	65
12	The Energetic Significance of Metallophilic Interactions. Angewandte Chemie, 2019, 131, 12747-12753.	2.0	11
13	Synthetically Diversified Protein Nanopores: Resolving Click Reaction Mechanisms. ACS Nano, 2019, 13, 4101-4110.	14.6	31
14	Electrostatic Forces in Field-Perturbed Equilibria: Nanopore Analysis of Cage Complexes. CheM, 2019, 5, 1275-1292.	11.7	17
15	Switchable selectivity within a series of boronate esters for dynamic covalent exchange in nonaqueous solvents. Supramolecular Chemistry, 2018, 30, 772-781.	1.2	1
16	Nanopore Detection of Singleâ€Molecule Binding within a Metallosupramolecular Cage. Chemistry - A European Journal, 2018, 24, 4542-4546.	3.3	12
17	In Situ Synthetic Functionalization of a Transmembrane Protein Nanopore. ACS Nano, 2018, 12, 786-794.	14.6	22
18	Discrimination of supramolecular chirality using a protein nanopore. Chemical Science, 2017, 8, 5005-5009.	7.4	22

#	Article	IF	Citations
19	Dynamic covalent assembly and disassembly of nanoparticle aggregates. Chemical Communications, 2016, 52, 9117-9120.	4.1	41
20	Rapid and simple preparation of remarkably stable binary nanoparticle planetâ€“satellite assemblies. Chemical Communications, 2015, 51, 7812-7815.	4.1	16
21	Magnetic Nanoparticles: general discussion. Faraday Discussions, 2014, 175, 113-135.	3.2	0
22	Other Nanoparticles: general discussion. Faraday Discussions, 2014, 175, 289-303.	3.2	0
23	Optical nanoparticles: general discussion. Faraday Discussions, 2014, 175, 215-227.	3.2	0
24	Dissecting Solvent Effects on Hydrogen Bonding. Angewandte Chemie, 0, , .	2.0	2