

Gabriel Brunet

List of Publications by Citations

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24
papers

769
citations

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h-index

24
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24
ext. papers

936
ext. citations

6.5
avg, IF

4.8
L-index

#	Paper	IF	Citations
24	Significant enhancement of energy barriers in dinuclear dysprosium single-molecule magnets through electron-withdrawing effects. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13242-5	16.4	239
23	Shining New Light on Multifunctional Lanthanide Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1728-1746	16.4	80
22	Single-molecule magnetism arising from cobalt(II) nodes of a crystalline sponge. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 835-841	7.1	51
21	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. <i>Chemical Science</i> , 2019 , 10, 6799-6808	9.4	51
20	Stepwise crystallographic visualization of dynamic guest binding in a nanoporous framework. <i>Chemical Science</i> , 2017 , 8, 3171-3177	9.4	49
19	Slow Magnetic Relaxation Observed in Dysprosium Compounds Containing Unsupported Near-Linear Hydroxo- and Fluoro-Bridges. <i>Inorganic Chemistry</i> , 2015 , 54, 6195-202	5.1	38
18	Single-molecule magnet behaviour in a tetranuclear Dy complex formed from a novel tetrazine-centered hydrazone Schiff base ligand. <i>Dalton Transactions</i> , 2017 , 46, 2471-2478	4.3	36
17	Strong ferromagnetic exchange coupling in a {Ni} cluster mediated through an air-stable tetrazine-based radical anion. <i>Chemical Communications</i> , 2017 , 53, 8660-8663	5.8	33
16	Terminal solvent effects on the anisotropy barriers of Dy systems. <i>Dalton Transactions</i> , 2016 , 45, 16709-16715	5.1	31
15	A novel high-spin tridecanuclear Ni(II) cluster with an azido-bridged core exhibiting disk-like topology. <i>Chemical Communications</i> , 2012 , 48, 1287-9	5.8	26
14	Confinement effects of a crystalline sponge on ferrocene and ferrocene carboxaldehyde. <i>Chemical Communications</i> , 2017 , 53, 5645-5648	5.8	21
13	Triplet-State Position and Crystal-Field Tuning in Opto-Magnetic Lanthanide Complexes: Two Sides of the Same Coin. <i>Chemistry - A European Journal</i> , 2019 , 25, 14625-14637	4.8	17
12	Hidden Transformations of a Crystalline Sponge: Elucidating the Stability of a Highly Porous Three-Dimensional Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2016 , 16, 4043-4050	3.5	17
11	Turning on single-molecule magnet behavior in a linear {Mn ₃ } compound. <i>Inorganic Chemistry</i> , 2013 , 52, 1296-303	5.1	14
10	Unprecedented Octanuclear Dy(III) Cluster Exhibiting Single-Molecule Magnet Behavior. <i>Crystal Growth and Design</i> , 2017 , 17, 5044-5048	3.5	13
9	A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. <i>Communications Chemistry</i> , 2018 , 1,	6.3	13
8	Multifunktionale Einzelmolekülmagnete auf Lanthanoidbasis in neuem Licht. <i>Angewandte Chemie</i> , 2021 , 133, 1752-1772	3.6	12

7	Design Strategy for the Controlled Generation of Cationic Frameworks and Ensuing Anion-Exchange Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3181-3188	9.5	6
6	Reversible Redox, Spin Crossover, and Superexchange Coupling in 3d Transition-Metal Complexes of Bis-azanyl Analogues of 2,2':6',2''-Terpyridine. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1212-1223	2.3	5
5	A nitrogen-rich ligand as a scaffold for slow magnetic relaxation in dysprosium-based 0D and 1D architectures. <i>Dalton Transactions</i> , 2018 , 47, 11782-11787	4.3	4
4	A Barrel-Shaped Metal-Organic Blue-Box Analogue with Photo-/Redox-Switchable Behavior. <i>Chemistry - A European Journal</i> , 2020 , 26, 16455-16462	4.8	4
3	Anion-Dependent Catalytic C-C Bond Cleavage of a Lignin Model within a Cationic Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 688-695	9.5	4
2	Dual magnetic field and temperature optical probes of controlled crystalline phases in lanthanide-doped multi-shell nanoparticles. <i>Nanoscale</i> , 2021 , 13, 14723-14733	7.7	3
1	Ferromagnetically coupled dinuclear M complexes based on a borotriazine ligand framework. <i>Dalton Transactions</i> , 2018 , 47, 14875-14879	4.3	2