

# Gabriel Brunet

## List of Publications by Year in descending order

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24  
papers

1,064  
citations

516710

16  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1314  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 13242-13245.	13.7	265
2	Shining New Light on Multifunctional Lanthanide Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1728-1746.	13.8	183
3	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. <i>Chemical Science</i> , 2019, 10, 6799-6808.	7.4	83
4	Stepwise crystallographic visualization of dynamic guest binding in a nanoporous framework. <i>Chemical Science</i> , 2017, 8, 3171-3177.	7.4	66
5	Single-molecule magnetism arising from cobalt( $\text{II}$ ) nodes of a crystalline sponge. <i>Journal of Materials Chemistry C</i> , 2017, 5, 835-841.	5.5	64
6	Slow Magnetic Relaxation Observed in Dysprosium Compounds Containing Unsupported Near-Linear Hydroxo- and Fluoro-Bridges. <i>Inorganic Chemistry</i> , 2015, 54, 6195-6202.	4.0	47
7	Single-molecule magnet behaviour in a tetranuclear $\text{Dy}^{\text{III}}$ complex formed from a novel tetrazine-centered hydrazone Schiff base ligand. <i>Dalton Transactions</i> , 2017, 46, 2471-2478.	3.3	47
8	Terminal solvent effects on the anisotropy barriers of $\text{Dy}^{\text{II}}$ systems. <i>Dalton Transactions</i> , 2016, 45, 16709-16715.	3.3	41
9	Strong ferromagnetic exchange coupling in a $\{\text{NiII}_4\}$ cluster mediated through an air-stable tetrazine-based radical anion. <i>Chemical Communications</i> , 2017, 53, 8660-8663.	4.1	40
10	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.	3.3	32
11	A novel high-spin tridecanuclear $\text{Ni}^{\text{II}}$ cluster with an azido-bridged core exhibiting disk-like topology. <i>Chemical Communications</i> , 2012, 48, 1287-1289.	4.1	26
12	Confinement effects of a crystalline sponge on ferrocene and ferrocene carboxaldehyde. <i>Chemical Communications</i> , 2017, 53, 5645-5648.	4.1	24
13	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.	3.0	20
14	A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. <i>Communications Chemistry</i> , 2018, 1, .	4.5	20
15	Multifunktionale Einzelmoleklmagnete auf Lanthanoidbasis in neuem Licht. <i>Angewandte Chemie</i> , 2021, 133, 1752-1772.	2.0	18
16	Unprecedented Octanuclear $\text{Dy}^{\text{III}}$ Cluster Exhibiting Single-Molecule Magnet Behavior. <i>Crystal Growth and Design</i> , 2017, 17, 5044-5048.	3.0	17
17	Turning on Single-Molecule Magnet Behavior in a Linear $\{\text{Mn}_3\}$ Compound. <i>Inorganic Chemistry</i> , 2013, 52, 1296-1303.	4.0	15
18	Dual magnetic field and temperature optical probes of controlled crystalline phases in lanthanide-doped multi-shell nanoparticles. <i>Nanoscale</i> , 2021, 13, 14723-14733.	5.6	12

#	ARTICLE	IF	CITATIONS
19	Design Strategy for the Controlled Generation of Cationic Frameworks and Ensuing Anion-Exchange Capabilities. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 3181-3188.	8.0	11
20	Anion-Dependent Catalytic C–C Bond Cleavage of a Lignin Model within a Cationic Metal–Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 688-695.	8.0	9
21	Reversible Redox, Spin Crossover, and Superexchange Coupling in 3 <i>d</i> Transition–Metal Complexes of <i>Bis</i> -aziranyl Analogues of 2,2',6',6'-Terpyridine. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1212-1223.	3.3	8
22	A Barrel-Shaped Metal–Organic Blue–Box Analogue with Photo-/Redox-Switchable Behavior. <i>Chemistry - A European Journal</i> , 2020, 26, 16455-16462.	3.3	8
23	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.	3.3	6
24	Ferromagnetically coupled dinuclear MIII complexes based on a boratriazine ligand framework. <i>Dalton Transactions</i> , 2018, 47, 14875-14879.	3.3	2