

# Mathieu Gonidec

## List of Publications by Year in descending order

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30  
papers

1,127  
citations

430874

18  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Supramolecular Organization of a Terbium(III) Double-Decker Complex on Graphite and its Single Molecule Magnet Behavior. <i>Journal of the American Chemical Society</i> , 2011, 133, 6603-6612.	13.7	189
2	A Liquidâ€Crystalline Singleâ€Molecule Magnet with Variable Magnetic Properties. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1623-1626.	13.8	142
3	Probing the Magnetic Properties of Three Interconvertible Redox States of a Single-Molecule Magnet with Magnetic Circular Dichroism Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 1756-1757.	13.7	110
4	Engineering Shadows to Fabricate Optical Metasurfaces. <i>ACS Nano</i> , 2014, 8, 11061-11070.	14.6	91
5	Locking and Unlocking the Molecular Spin Crossover Transition. <i>Advanced Materials</i> , 2017, 29, 1702257.	21.0	55
6	Novel double-decker phthalocyaninato terbium(iii) single molecule magnets with stabilised redox states. <i>Dalton Transactions</i> , 2012, 41, 13632.	3.3	51
7	Anomalous Rapid Tunneling: Charge Transport across Self-Assembled Monolayers of Oligo(ethylene) Tj ETQq1 1 0,784314 rBT /Over	13.7	41
8	Highly Reduced Double-Decker Single-Molecule Magnets Exhibiting Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2013, 52, 4464-4471.	4.0	39
9	Vertical Tunnel Junction Embedding a Spin Crossover Molecular Film. <i>Advanced Electronic Materials</i> , 2018, 4, 1800204.	5.1	37
10	Charge Tunneling along Short Oligoglycine Chains. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14743-14747.	13.8	36
11	Metal-Amplified Density Assays, (MADAs), including a Density-Linked Immunosorbent Assay (DeLISA). <i>Lab on A Chip</i> , 2015, 15, 1009-1022.	6.0	32
12	Temperature-induced transport changes in molecular junctions based on a spin crossover complex. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5343-5347.	5.5	32
13	X-ray absorption and magnetic circular dichroism investigation of bis(phthalocyaninato)terbium single-molecule magnets deposited on graphite. <i>Physical Review B</i> , 2010, 82, .	3.2	31
14	Thermal and light-induced spin transition in a nanometric film of a new high-vacuum processable spin crossover complex. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8885-8889.	5.5	31
15	Fabrication of Nonperiodic Metasurfaces by Microlens Projection Lithography. <i>Nano Letters</i> , 2016, 16, 4125-4132.	9.1	30
16	Looking Inside the Perchlorinated Trityl Radical/Metal Spinterface through Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2101-2106.	4.6	29
17	Continuous-versus Segmented-Flow Microfluidic Synthesis in Materials Science. <i>Crystals</i> , 2019, 9, 12.	2.2	29
18	Water Adsorption Properties of Fe(pz) <sub>4</sub> [Pt(CN) <sub>4</sub> ] and the Capture of CO <sub>2</sub> and CO. <i>Organometallics</i> , 2020, 39, 949-955.	2.3	17

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19	Extreme downsizing in the surfactant-free synthesis of spin-crossover nanoparticles in a microfluidic flow-focusing junction. <i>Chemical Communications</i> , 2018, 54, 8040-8043.	4.1	16
20	Space Charge-Limited Current Transport Mechanism in Crossbar Junction Embedding Molecular Spin Crossovers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31696-31705.	8.0	15
21	Combining Step Gradients and Linear Gradients in Density. <i>Analytical Chemistry</i> , 2015, 87, 6158-6164.	6.5	12
22	A surface confined yttrium( <i>iii</i> ) bis-phthalocyaninato complex: a colourful switch controlled by electrons. <i>Chemical Science</i> , 2016, 7, 4940-4944.	7.4	7
23	Reactions of Unsaturated Nickel-Molybdenum and Tungsten Complexes with Primary Amines: Chemoselective N-Coordination to Nickel To Give the First Structurally Characterised Primary Amine-Organonickel Complexes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 403-409.	2.0	6
24	Synchrotron-based Mössbauer spectroscopy characterization of sublimated spin crossover molecules. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6626-6637.	2.8	5
25	Effect of solvent on silicon nanoparticle formation and size: a mechanistic study. <i>Nanoscale</i> , 2019, 11, 4696-4700.	5.6	4
26	Magnetic Ordering in Ultrasmall Potassium Ferrite Nanoparticles Grown on Graphene Nanoflakes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3130-3142.	8.0	4
27	Concept of non-periodic metasurfaces based on positional gradients applied to IR-flat lenses. <i>Optical Materials Express</i> , 2017, 7, 2346.	3.0	3
28	In Situ Fine-Tuning of Microfluidic Chips by Swelling and Its Application to Droplet Microfluidics. <i>Advanced Materials Technologies</i> , 2019, 4, 1900232.	5.8	3
29	High temperature spin crossover behaviour of mononuclear bis-(thiocyanato)iron( <i>ii</i> ) complexes with judiciously designed bidentate N-donor Schiff bases with varying substituents. <i>Dalton Transactions</i> , 2022, 51, 9302-9313.	3.3	1
30	Light-Induced Excited Spin-State Trapping: A Methodological Approach. , 2019, , 198-198.		0