

Paul R McGonigal

List of Publications by Year in descending order

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44
papers

3,616
citations

186265
28
h-index

254184
43
g-index

55
all docs

55
docs citations

55
times ranked

4225
citing authors

#	ARTICLE	IF	CITATIONS
1	An artificial molecular pump. <i>Nature Nanotechnology</i> , 2015, 10, 547-553.	31.5	420
2	Clusterization-triggered emission: Uncommon luminescence from common materials. <i>Materials Today</i> , 2020, 32, 275-292.	14.2	407
3	Tunable solid-state fluorescent materials for supramolecular encryption. <i>Nature Communications</i> , 2015, 6, 6884.	12.8	363
4	Aggregate Science: From Structures to Properties. <i>Advanced Materials</i> , 2020, 32, e2001457.	21.0	254
5	Excited-State Aromatic Interactions in the Aggregation-Induced Emission of Molecular Rotors. <i>Journal of the American Chemical Society</i> , 2017, 139, 17882-17889.	13.7	141
6	Activeâ€Metal Template Synthesis of a Molecular Trefoil Knot. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12280-12284.	13.8	137
7	Design and Synthesis of Nonequilibrium Systems. <i>ACS Nano</i> , 2015, 9, 8672-8688.	14.6	128
8	Active Metal Template Synthesis of [2]Catenanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 15924-15929.	13.7	127
9	Electron Delocalization in a Rigid Cofacial Naphthaleneâ€1,8:4,5â€bis(dicarboximide) Dimer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9476-9481.	13.8	122
10	Pillar[5]arene as a Co-Factor in Templating Rotaxane Formation. <i>Journal of the American Chemical Society</i> , 2013, 135, 17019-17030.	13.7	117
11	Relative Unidirectional Translation in an Artificial Molecular Assembly Fueled by Light. <i>Journal of the American Chemical Society</i> , 2013, 135, 18609-18620.	13.7	112
12	Gold(I) Carbenes by Retro-Buchner Reaction: Generation and Fate. <i>Journal of the American Chemical Society</i> , 2014, 136, 801-809.	13.7	107
13	Ligand-assisted nickel-catalysed sp ³ â€sp ³ homocoupling of unactivated alkyl bromides and its application to the active template synthesis of rotaxanes. <i>Chemical Science</i> , 2010, 1, 383.	7.4	104
14	Electrochemically addressable trisradical rotaxanes organized within a metalâ€organic framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11161-11168.	7.1	83
15	Two Axles Threaded Using a Single Template Site: Active Metal Template Macrobicyclic [3]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 315-320.	13.7	80
16	Persistent Dimer Emission in Thermally Activated Delayed Fluorescence Materials. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11109-11117.	3.1	79
17	En Route to a Molecular Sheaf: Active Metal Template Synthesis of a [3]Rotaxane with Two Axles Threaded through One Ring. <i>Journal of the American Chemical Society</i> , 2011, 133, 12298-12303.	13.7	73
18	Energetically Demanding Transport in a Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2014, 136, 14702-14705.	13.7	72

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19	Gold(I) as an Artificial Cyclase: Short Stereodivergent Syntheses of (S)-Epiglobulol and (S)-4,7,7-trimethyl-1,7-dioxaspiro[5.5]undecane. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4896-4899.	13.8	64
20	Gold for the Generation and Control of Fluxional Barbaralyl Cations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13093-13096.	13.8	58
21	Triply Threaded [4]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2016, 138, 12643-12647.	13.7	42
22	Revealing resonance effects and intramolecular dipole interactions in the positional isomers of benzonitrile-core thermally activated delayed fluorescence materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9184-9194.	5.5	42
23	Hydroacenes Made Easy by Gold(I) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11120-11123.	13.8	39
24	An ExBox [2]catenane. <i>Chemical Science</i> , 2014, 5, 2724.	7.4	33
25	Non-equilibrium kinetics and trajectory thermodynamics of synthetic molecular pumps. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1304-1314.	5.9	33
26	Solid-State Characterization and Photoinduced Intramolecular Electron Transfer in a Nanoconfined Octacationic Homo[2]Catenane. <i>Journal of the American Chemical Society</i> , 2014, 136, 10569-10572.	13.7	32
27	Influence of Constitution and Charge on Radical Pairing Interactions in Tris-radical Tricationic Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 8288-8300.	13.7	29
28	Formation of a hetero[3]rotaxane by a dynamic component-swapping strategy. <i>Chemical Communications</i> , 2014, 50, 9665-9668.	4.1	25
29	Suppressing dimer formation by increasing conformational freedom in multi-carbazole thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2021, 9, 189-198.	5.5	25
30	Shapeshifting molecules: the story so far and the shape of things to come. <i>Chemical Science</i> , 2020, 11, 324-332.	7.4	24
31	A molecular production line. <i>Nature Chemistry</i> , 2013, 5, 260-262.	13.6	23
32	Controlling association kinetics in the formation of donor-acceptor pseudorotaxanes. <i>Tetrahedron Letters</i> , 2015, 56, 3591-3594.	1.4	22
33	Shape-selective crystallisation of fluxional carbon cages. <i>Chemical Science</i> , 2018, 9, 8631-8636.	7.4	22
34	Oxime Ligation on the Surface of Mesoporous Silica Nanoparticles. <i>Organic Letters</i> , 2015, 17, 2146-2149.	4.6	21
35	Supramolecular repair of hydration lubrication surfaces. <i>CheM</i> , 2022, 8, 480-493.	11.7	16
36	Multiply threaded rotaxanes. <i>Supramolecular Chemistry</i> , 2018, 30, 782-794.	1.2	15

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37	Extended Conjugation Attenuates the Quenching of Aggregation-Induced Emitters by Photocyclization Pathways. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
38	Long starphene single molecule NOR Boolean logic gate. <i>Surface Science</i> , 2018, 678, 163-168.	1.9	11
39	Not the sum of their parts: understanding multi-donor interactions in symmetric and asymmetric TADF emitters. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4737-4747.	5.5	11
40	Modulation of charge transfer by <i>N</i> -alkylation to control photoluminescence energy and quantum yield. <i>Chemical Science</i> , 2020, 11, 6990-6995.	7.4	9
41	Control of Porphyrin Planarity and Aggregation by Covalent Capping: Bissilyloxy Porphyrin Silanes. <i>Inorganic Chemistry</i> , 2020, 59, 13533-13541.	4.0	4
42	From phosphorescence to delayed fluorescence in one step: tuning photophysical properties by quaternisation of an sp^2 -hybridised nitrogen atom. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	1
43	Back Cover: Active-Metal Template Synthesis of a Molecular Trefoil Knot (<i>Angew. Chem. Int. Ed.</i> 51/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12366-12366.	13.8	0
44	Extended Conjugation Attenuates the Quenching of Aggregation-Induced Emitters by Photocyclization Pathways. <i>Angewandte Chemie</i> , 0, , .	2.0	0