

Paul R McGonigal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6481472/publications.pdf>

Version: 2024-02-01

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	Supramolecular repair of hydration lubrication surfaces. <i>CheM</i> , 2022, 8, 480-493.	11.7	16
2	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
3	Extended Conjugation Attenuates the Quenching of Aggregation-Induced Emitters by Photocyclization Pathways. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
4	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
5	Clusterization-triggered emission: Uncommon luminescence from common materials. <i>Materials Today</i> , 2020, 32, 275-292.	14.2	407
6	Shapeshifting molecules: the story so far and the shape of things to come. <i>Chemical Science</i> , 2020, 11, 324-332.	7.4	24
7	Aggregate Science: From Structures to Properties. <i>Advanced Materials</i> , 2020, 32, e2001457.	21.0	254
8	Control of Porphyrin Planarity and Aggregation by Covalent Capping: Bissilyloxy Porphyrin Silanes. <i>Inorganic Chemistry</i> , 2020, 59, 13533-13541.	4.0	4
9	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
10	Non-equilibrium kinetics and trajectory thermodynamics of synthetic molecular pumps. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1304-1314.	5.9	33
11	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
12	Persistent Dimer Emission in Thermally Activated Delayed Fluorescence Materials. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11109-11117.	3.1	79
13	Long starphene single molecule NOR Boolean logic gate. <i>Surface Science</i> , 2018, 678, 163-168.	1.9	11
14	Shape-selective crystallisation of fluxional carbon cages. <i>Chemical Science</i> , 2018, 9, 8631-8636.	7.4	22
15	Multiply threaded rotaxanes. <i>Supramolecular Chemistry</i> , 2018, 30, 782-794.	1.2	15
16	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
17	Triply Threaded [4]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2016, 138, 12643-12647.	13.7	42
18	Hydroacenes Made Easy by Gold(I) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11120-11123.	13.8	39

#	ARTICLE	IF	CITATIONS
19	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
20	Controlling association kinetics in the formation of donor-acceptor pseudorotaxanes. <i>Tetrahedron Letters</i> , 2015, 56, 3591-3594.	1.4	22
21	Tunable solid-state fluorescent materials for supramolecular encryption. <i>Nature Communications</i> , 2015, 6, 6884.	12.8	363
22	Oxime Ligation on the Surface of Mesoporous Silica Nanoparticles. <i>Organic Letters</i> , 2015, 17, 2146-2149.	4.6	21
23	An artificial molecular pump. <i>Nature Nanotechnology</i> , 2015, 10, 547-553.	31.5	420
24	Electrochemically addressable trisradical rotaxanes organized within a metal-organic framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11161-11168.	7.1	83
25	Design and Synthesis of Nonequilibrium Systems. <i>ACS Nano</i> , 2015, 9, 8672-8688.	14.6	128
26	Energetically Demanding Transport in a Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2014, 136, 14702-14705.	13.7	72
27	Gold(I) as an Artificial Cyclase: Short Stereodivergent Syntheses of (S)-epiglobulol and (S)-7,7'-bis(4-oxo-2,7,7'-trimethyl-1,8-dioxo-1,8-dihydro-2H-benzo[5,6-b]pyridin-2-ylidene)-7,7'-bicyclo[2.2.1]heptane and (S)-7,7'-bis(4-oxo-2,7,7'-trimethyl-1,8-dioxo-1,8-dihydro-2H-benzo[5,6-b]pyridin-2-ylidene)-7,7'-bicyclo[2.2.1]heptane. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4896-4899.	13.8	64
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	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
30	Electron Delocalization in a Rigid Cofacial Naphthalene-1,8:4,5-bis(dicarboximide) Dimer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9476-9481.	13.8	122
31	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
32	An ExBox [2]catenane. <i>Chemical Science</i> , 2014, 5, 2724.	7.4	33
33	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
34	A molecular production line. <i>Nature Chemistry</i> , 2013, 5, 260-262.	13.6	23
35	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
36	Gold for the Generation and Control of Fluxional Barbaralyl Cations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13093-13096.	13.8	58

#	ARTICLE	IF	CITATIONS
37	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
38	Active-Metal Template Synthesis of a Molecular Trefoil Knot. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12280-12284.	13.8	137
39	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
40	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
41	Ligand-assisted nickel-catalysed sp^3 - 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
42	Active Metal Template Synthesis of [2]Catenanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 15924-15929.	13.7	127
43	Extended Conjugation Attenuates the Quenching of Aggregation-Induced Emitters by Photocyclization Pathways. <i>Angewandte Chemie</i> , 0, , .	2.0	0
44	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