

Gary J Richards

List of Publications by Year in descending order

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41
papers

1,367
citations

331670

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docs citations

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times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoarchitectonics: A Conceptual Paradigm for Design and Synthesis of Dimension-Controlled Functional Nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1-13.	0.9	309
2	Putting the π -N π ™ in ACENE: Pyrazinacenes and their structural relatives. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5005.	2.8	111
3	Pyrazinacenes: Aza Analogues of Acenes. <i>Journal of Organic Chemistry</i> , 2009, 74, 8914-8923.	3.2	66
4	Intelligent Chiral Sensing Based on Supramolecular and Interfacial Concepts. <i>Sensors</i> , 2010, 10, 6796-6820.	3.8	59
5	Tuning of emission color for blue dendrimer blend light-emitting diodes. <i>Applied Physics Letters</i> , 2004, 85, 1463-1465.	3.3	57
6	Nanorod-Driven Orientational Control of Liquid Crystal for Polarization-Tailored Electro-Optic Devices. <i>Advanced Materials</i> , 2009, 21, 989-993.	21.0	55
7	Multi-Dimensional Control of Surfactant-Guided Assemblies of Quantum Gold Particles. <i>Advanced Materials</i> , 2008, 20, 4027-4032.	21.0	52
8	Heterocyclic polycatenar liquid crystals. <i>Liquid Crystals</i> , 2007, 34, 1249-1267.	2.2	47
9	Design of Low Pt Concentration Electrocatalyst Surfaces with High Oxygen Reduction Reaction Activity Promoted by Formation of a Heterogeneous Interface between Pt and CeO ₂ Nanowire. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9059-9070.	8.0	44
10	Stokes parameter studies of spontaneous emission from chiral nematic liquid crystals as a one-dimensional photonic stopband crystal: Experiment and theory. <i>Physical Review E</i> , 2005, 71, 041706.	2.1	39
11	Nondispersive hole transport in a spin-coated dendrimer film measured by the charge-generation-layer time-of-flight method. <i>Applied Physics Letters</i> , 2002, 81, 3266-3268.	3.3	35
12	Ultranarrow PbS Nanorod-Nematic Liquid Crystal Blend for Enhanced Electro-optic Properties. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2759-2766.	8.0	35
13	Reversible Photoredox Switching of Porphyrin-Bridged Bis-2,6-di- <i>tert</i> -butylphenols. <i>Journal of the American Chemical Society</i> , 2011, 133, 16119-16126.	13.7	35
14	Double Helices of a Pyridine-Appended Zinc Chlorophyll Derivative. <i>Journal of the American Chemical Society</i> , 2013, 135, 5262-5265.	13.7	33
15	Fabrication of a nano-structured Pt-loaded cerium oxide nanowire and its anode performance in the methanol electro-oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6262.	10.3	31
16	Synthesis and mesomorphic behaviour of novel light-emitting liquid crystals. <i>Liquid Crystals</i> , 2005, 32, 1251-1264.	2.2	29
17	Diverse Self-Assembly in Soluble Oligoazaacenes: A Microscopy Study. <i>Langmuir</i> , 2009, 25, 8408-8413.	3.5	29
18	Optical amplification in a first-generation dendritic organic semiconductor. <i>Optics Letters</i> , 2004, 29, 869.	3.3	28

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19	Designing Lower Critical Solution Temperature Behavior into a Discotic Small Molecule. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1336-1340.	4.6	27
20	Design and Synthesis of Dipyrrin Complexes Bearing Unique Structures, Properties and Functions. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2015, 73, 1111-1119.	0.1	24
21	Self-assembled pyrazinacene nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4868.	2.8	23
22	Soft Capsules, Hard Capsules, and Hybrid Capsules. <i>Soft Materials</i> , 2012, 10, 387-412.	1.7	22
23	Antioxidant-substituted tetrapyrazinoporphyrazine as a fluorescent sensor for basic anions. <i>Chemical Communications</i> , 2012, 48, 3951.	4.1	22
24	Alkyl Imidazolium Ionic-Liquid-Mediated Formation of Gold Particle Superstructures. <i>Langmuir</i> , 2013, 29, 7186-7194.	3.5	20
25	The Pyrazinacenes. <i>Accounts of Chemical Research</i> , 2021, 54, 3228-3240.	15.6	17
26	Self-Assembly of Optical Molecules with Supramolecular Concepts. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1950-1966.	4.1	15
27	Tautomerism in Reduced Pyrazinacenes. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 517-525.	5.3	15
28	Amphiprotism-Coupled Near-Infrared Emission in Extended Pyrazinacenes Containing Seven Linearly Fused Pyrazine Units. <i>Journal of the American Chemical Society</i> , 2019, 141, 19570-19574.	13.7	13
29	Pyrazinacenes exhibit on-surface oxidation-state-dependent conformational and self-assembly behaviours. <i>Communications Chemistry</i> , 2021, 4, .	4.5	12
30	Dynamic supramolecular systems at interfaces. <i>Supramolecular Chemistry</i> , 2011, 23, 183-194.	1.2	11
31	Fluorescent mesomorphic pyrazinacenes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11514-11523.	5.5	11
32	Tautomers of extended reduced pyrazinacenes: a density-functional-theory based study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2145-2150.	2.8	9
33	Stokes-parameter analysis of the polarization of light transmitted through a chiral nematic liquid-crystal cell. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 760.	1.5	8
34	Electroluminescent Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 368, 271-278.	0.3	5
35	Crystallographic Phase Induced Electro-Optic Properties of Nanorod Blend Nematic Liquid Crystal. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7729-7734.	0.9	5
36	Phenanthroline- π -Fused Pyrazinacenes: One- π -Pot Synthesis, Tautomerization and a Ru(II) (2,2'-bipy) 2 Derivative. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2541-2548.	2.0	5

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37	Mechanical Manipulation of Archimedean Spirals of an Achiral Pyrazinacene for Chiral Assemblies. <i>Advanced Materials Interfaces</i> , 0, , 2200209.	3.7	4
38	Electroluminescent Nematic Polymer Networks with Polarised Emission. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 364, 511-518.	0.3	3
39	Pyrazinacene luminescence enhancement by heat-activated surface adsorption and de-aggregation in a saponite colloidal system. <i>Applied Clay Science</i> , 2022, 218, 106413.	5.2	2
40	Conjugated dendrimers: a modular approach to materials for full-color displays. , 2004, 5214, 50.		0
41	Chapter 2. Supramolecular Materials Nanoarchitectonics. <i>RSC Nanoscience and Nanotechnology</i> , 2012, , 7-27.	0.2	0