

George John

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,157
citations

201575

27
h-index

182361

51
g-index

57
all docs

57
docs citations

57
times ranked

3647
citing authors

#	ARTICLE	IF	CITATIONS
1	Building Blocks of the Protective Suberin Plant Polymer Self-Assemble into Lamellar Structures with Antibacterial Potential. ACS Omega, 2022, 7, 3978-3989.	1.6	5
2	Light-Assisted Rechargeable Lithium Batteries: Organic Molecules for Simultaneous Energy Harvesting and Storage. Nano Letters, 2021, 21, 907-913.	4.5	57
3	Phase-Selective Gelation of the Water Phase in an Oil-Water Mixture: An Approach Based on Oil-Activated Nanoparticle Assembly in Water. Langmuir, 2021, 37, 8107-8114.	1.6	3
4	Selective isomer emission via funneling of exciton polaritons. Science Advances, 2021, 7, eabj0997.	4.7	17
5	Discovery of aspirin-triggered eicosanoid-like mediators in a <i>Drosophila</i> meta-inflammation blood tumor model. Journal of Cell Science, 2020, 133, .	1.2	11
6	Tuning Aesthetic and Mechanical Properties of Oleogels via Formulation of Enzyme-Enabled Stereoisomeric Molecular Gelators. Journal of Agricultural and Food Chemistry, 2020, 68, 13282-13290.	2.4	6
7	Nature-Inspired Purpurin Polymer for Li-Ion Batteries: Mechanistic Insights into Energy Storage via Solid-State NMR and Computational Studies. Journal of Physical Chemistry C, 2020, 124, 17939-17948.	1.5	6
8	Bio-derived Molecular Electrodes for Next-Generation Energy Storage Materials. ChemSusChem, 2020, 13, 2186-2204.	3.6	32
9	Bio-derived Molecular Electrodes for Next-Generation Energy Storage Materials. ChemSusChem, 2020, 13, 2106-2106.	3.6	0
10	Electrochemical Performance and Charge Storage Mechanism of Flavin-like Organic Electrodes for Rechargeable Aluminum Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 3488-3488.	0.0	0
11	Made From Henna! A Fast-Charging, High-Capacity, and Recyclable Tetrakislawsonone Cathode Material for Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 13836-13844.	3.2	36
12	Freestanding organogels by molecular velcro of unsaturated amphiphiles. Soft Matter, 2019, 15, 6263-6268.	1.2	4
13	Unique Photophysical Behavior of Coumarin-Based Viscosity Probes during Molecular Self-Assembly. ACS Omega, 2019, 4, 4785-4792.	1.6	2
14	Nature-Derived Sodium-Ion Battery: Mechanistic Insights into Na-Ion Coordination within Sustainable Molecular Cathode Materials. ACS Applied Energy Materials, 2019, 2, 8596-8604.	2.5	14
15	A common tattoo chemical for energy storage: henna plant-derived naphthoquinone dimer as a green and sustainable cathode material for Li-ion batteries. RSC Advances, 2018, 8, 1576-1582.	1.7	33
16	Graphene Oxide Epoxy (GO-Epoxy): GO as Epoxy Adhesive by Interfacial Reaction of Functionalities. Advanced Materials Interfaces, 2018, 5, 1700657.	1.9	19
17	Molecular Oleogels. , 2018, , 415-438.		4
18	Different ommochrome pigment mixtures enable sexually dimorphic Batesian mimicry in disjunct populations of the common palmfly butterfly, <i>Elymnias hypermnestra</i> . PLoS ONE, 2018, 13, e0202465.	1.1	16

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19	Unravelling the secret of seed-based gels in water: the nanoscale 3D network formation. <i>Scientific Reports</i> , 2018, 8, 7315.	1.6	35
20	Radiation-Responsive Esculin-Derived Molecular Gels as Signal Enhancers for Optical Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43197-43204.	4.0	8
21	<i>In Situ</i> Synthesis of Metal Nanoparticle Embedded Hybrid Soft Nanomaterials. <i>Accounts of Chemical Research</i> , 2016, 49, 1671-1680.	7.6	44
22	Power from nature: designing green battery materials from electroactive quinone derivatives and organic polymers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12370-12386.	5.2	161
23	Sugar based amphiphiles: easily accessible and efficient crude oil spill thickening agents. <i>RSC Advances</i> , 2016, 6, 107598-107605.	1.7	18
24	Functional self-assembled lipidic systems derived from renewable resources. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 47-55.	1.0	11
25	Sacrificial amphiphiles: Eco-friendly chemical herders as oil spill mitigation chemicals. <i>Science Advances</i> , 2015, 1, e1400265.	4.7	50
26	A renewable resource-derived thixotropic self-assembled supramolecular gel: magnetic stimuli responsive and real-time self-healing behaviour. <i>RSC Advances</i> , 2015, 5, 77589-77594.	1.7	39
27	Biobased Fat Mimicking Molecular Structuring Agents for Medium-Chain Triglycerides (MCTs) and Other Edible Oils. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10536-10542.	2.4	22
28	Self-assembled hydrogel fibers for sensing the multi-compartment intracellular milieu. <i>Scientific Reports</i> , 2015, 4, 4466.	1.6	17
29	Sweet and Sustainable: Teaching the Biorefinery Concept through Biobased Gelator Synthesis. <i>Journal of Chemical Education</i> , 2014, 91, 1563-1568.	1.1	16
30	A self-assembled β -conjugated system as an anti-proliferative agent in prostate cancer cells and a probe for intra-cellular imaging. <i>RSC Advances</i> , 2014, 4, 48433-48437.	1.7	21
31	Medium-Chain Sugar Amphiphiles: A New Family of Healthy Vegetable Oil Structuring Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12005-12011.	2.4	39
32	Recent advances in cardanol chemistry in a nutshell: from a nut to nanomaterials. <i>Chemical Society Reviews</i> , 2013, 42, 427-438.	18.7	241
33	Lithium storage mechanisms in purpurin based organic lithium ion battery electrodes. <i>Scientific Reports</i> , 2012, 2, 960.	1.6	160
34	Flexible Optics: Recent Developments in Molecular Gels. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1760-1762.	7.2	53
35	Molecular gels-based controlled release devices for pheromones. <i>Soft Matter</i> , 2011, 7, 864-867.	1.2	31
36	Sugar-Derived Phase-Selective Molecular Gelators as Model Solidifiers for Oil Spills. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7695-7698.	7.2	324

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37	Adhesive Vesicles through Adaptive Response of a Biobased Surfactant. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9509-9512.	7.2	32
38	Cover Picture: Sugar-Derived Phase-Selective Molecular Gelators as Model Solidifiers for Oil Spills (<i>Angew. Chem. Int. Ed.</i> 42/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7597-7597.	7.2	2
39	Biorefinery: A Design Tool for Molecular Gelators. <i>Langmuir</i> , 2010, 26, 17843-17851.	1.6	94
40	A vegetable oil derived chemodosimeter for the selective detection of Hg ²⁺ in aqueous media: a potential green laboratory method. <i>Green Chemistry</i> , 2010, 12, 1345.	4.6	6
41	Self-assembled prodrugs: An enzymatically triggered drug-delivery platform. <i>Biomaterials</i> , 2009, 30, 383-393.	5.7	141
42	Enzyme responsive acetaminophen hydrogels. , 2009, , .		0
43	Crops: A Green Approach toward Self-Assembled Soft Materials. <i>Accounts of Chemical Research</i> , 2008, 41, 769-782.	7.6	171
44	Cholesterol Phenoxy Hexanoate Mesogens: Effect of <i>meta</i> Substituents on Their Liquid Crystalline Behavior and in Situ Metal Nanoparticle Synthesis. <i>Chemistry of Materials</i> , 2007, 19, 5203-5206.	3.2	16
45	In Situ Synthesis of Gold Nanoparticles Using Molecular Gels and Liquid Crystals from Vitamin-C Amphiphiles. <i>Chemistry of Materials</i> , 2007, 19, 138-140.	3.2	151
46	Enzyme Catalysis: A Tool to Make and Break Amygdalin Hydrogelators from Renewable Resources: A Delivery Model for Hydrophobic Drugs. <i>Journal of the American Chemical Society</i> , 2006, 128, 8932-8938.	6.6	288
47	Design and development of soft nanomaterials from biobased amphiphiles. <i>Soft Matter</i> , 2006, 2, 909.	1.2	76
48	Enzymatically Derived Sugar-Containing Self-Assembled Organogels with Nanostructured Morphologies. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4772-4775.	7.2	101
49	Unsaturation Effect on Gelation Behavior of Aryl Glycolipids. <i>Langmuir</i> , 2004, 20, 2060-2065.	1.6	86
50	Morphological Control of Helical Solid Bilayers in High-Axial-Ratio Nanostructures Through Binary Self-Assembly. <i>Chemistry - A European Journal</i> , 2002, 8, 5494-5500.	1.7	106
51	Self-Assembly of a Sugar-Based Gelator in Water: Its Remarkable Diversity in Gelation Ability and Aggregate Structure. <i>Langmuir</i> , 2001, 17, 7229-7232.	1.6	232