

Shinto Varghese

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39
papers

2,035
citations

24
h-index

39
g-index

39
ext. papers

2,267
ext. citations

7.2
avg. IF

5.05
L-index

#	Paper	IF	Citations
39	Role of Molecular Packing in Determining Solid-State Optical Properties of π -Conjugated Materials. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 863-73	6.4	281
38	Tailor-made highly luminescent and ambipolar transporting organic mixed stacked charge-transfer crystals: an isometric donor-acceptor approach. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4757-64	16.4	243
37	Organic Single Crystal Lasers: A Materials View. <i>Advanced Optical Materials</i> , 2016 , 4, 348-364	8.1	163
36	Solid State Luminescence Enhancement in π -Conjugated Materials: Unraveling the Mechanism beyond the Framework of AIE/AIEE. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23166-23183	3.8	120
35	Hierarchical self-assembly of donor-acceptor-substituted butadiene amphiphiles into photoresponsive vesicles and gels. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6317-21	16.4	104
34	Solid State Optical Properties of 4-Alkoxy-pyridine Butadiene Derivatives: Reversible Thermal Switching of Luminescence. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8429-8437	3.8	97
33	Color-Tuned, Highly Emissive Dicyanodistyrylbenzene Single Crystals: Manipulating Intermolecular Stacking Interactions for Spontaneous and Stimulated Emission Characteristics. <i>Advanced Optical Materials</i> , 2013 , 1, 232-237	8.1	77
32	Correlation between Solid-State Photophysical Properties and Molecular Packing in a Series of Indane-1,3-dione Containing Butadiene Derivatives. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11927-11935	3.8	69
31	Formation of Highly Luminescent Supramolecular Architectures Possessing Columnar Order from Octupolar Oxadiazole Derivatives: Hierarchical Self-Assembly from Nanospheres to Fibrous Gels. <i>Advanced Functional Materials</i> , 2009 , 19, 2064-2073	15.6	67
30	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1597-602	6.4	61
29	Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 5907-14	5.1	57
28	Stimulated resonance Raman scattering and laser oscillation in highly emissive distyrylbenzene-based molecular crystals. <i>Advanced Materials</i> , 2012 , 24, 6473-8	24	55
27	The influence of crystal packing on the solid state fluorescence behavior of alkoxy substituted phenyleneethynylenes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4401		54
26	Trigonal 1,3,4-oxadiazole-based blue emitting liquid crystals and gels. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 13071-80	3.4	52
25	Multiresponsive luminescent dicyanodistyrylbenzenes and their photochemistry in solution and in bulk. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2886-2893	7.1	49
24	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9247-53	9.5	48
23	Supergelation via purely aromatic π -driven self-assembly of pseudodiscotic oxadiazole mesogens. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5416-23	16.4	47

22	Polymorphism and Amplified Spontaneous Emission in a Dicyano-Distyrylbenzene Derivative with Multiple Trifluoromethyl Substituents: Intermolecular Interactions in Play. <i>Advanced Functional Materials</i> , 2016 , 26, 2349-2356	15.6	40
21	Excited State Features and Dynamics in a Distyrylbenzene-Based Mixed Stack Donor-Acceptor Cocrystal with Luminescent Charge Transfer Characteristics. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3682-7	6.4	38
20	Luminescence in Crystalline Organic Materials: From Molecules to Molecular Solids. <i>Advanced Optical Materials</i> , 2021 , 9, 2002251	8.1	36
19	Bent-core liquid crystalline cyanostilbenes: fluorescence switching and thermochromism. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 11715-24	3.6	33
18	Hierarchical Self-Assembly of Donor-Acceptor-Substituted Butadiene Amphiphiles into Photoresponsive Vesicles and Gels. <i>Angewandte Chemie</i> , 2006 , 118, 6465-6469	3.6	31
17	Photoresponsive soft materials: Synthesis and photophysical studies of a stilbene-based diblock copolymer. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 5063-5073	2.5	28
16	Orthogonal Resonator Modes and Low Lasing Threshold in Highly Emissive Distyrylbenzene-Based Molecular Crystals. <i>Advanced Optical Materials</i> , 2014 , 2, 542-548	8.1	24
15	Excited-state switching by per-fluorination of para-oligophenylenes. <i>Journal of Chemical Physics</i> , 2011 , 135, 124509	3.9	23
14	Butadiene-based photoresponsive soft materials. <i>Langmuir</i> , 2010 , 26, 1598-609	4	23
13	Highly Light-Sensitive Luminescent Cyanostilbene Flexible Dimers. <i>Advanced Optical Materials</i> , 2017 , 5, 1600860	8.1	22
12	Organobase triggered controlled supramolecular ring opening polymerization and 2D assembly. <i>Chemical Science</i> , 2019 , 10, 7345-7351	9.4	18
11	Tuning Solid-State Luminescence in Conjugated Organic Materials: Control of Excitonic and Excimeric Contributions through π -Stacking and Halogen Bond Driven Self-Assembly. <i>ChemPhysChem</i> , 2020 , 21, 616-624	3.2	14
10	Self-Assembling and Luminescent Properties of Chiral Bisoxadiazole Derivatives in Solution and Liquid-Crystalline Phases. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1922-1929	3.4	12
9	Near-Infrared Fluorescence of Silicon Phthalocyanine Carboxylate Esters. <i>Scientific Reports</i> , 2017 , 7, 122829	4.9	12
8	Crossed 2D versus Slipped 1D π -Stacking in Polymorphs of Crystalline Organic Thin Films: Impact on the Electronic and Optical Response. <i>Advanced Optical Materials</i> , 2019 , 7, 1900749	8.1	9
7	Highly bluish-white light emissive and redox active conjugated poly-N-phenyl anthranilic acid polymer fluoroprobe for analytical sensing. <i>Polymer</i> , 2019 , 181, 121747	3.9	7
6	Supramolecular Nanowires from an Acceptor-Donor-Acceptor Conjugated Chromophore. <i>Chemistry - A European Journal</i> , 2019 , 25, 16725	4.8	6
5	Turn-on solid state luminescence by solvent-induced modification of intermolecular interactions. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15742-15750	7.1	4

4	Enabling Control over Mechanical Conformity and Luminescence in Molecular Crystals: Interaction Engineering in Action. <i>Chemistry - A European Journal</i> , 2020 , 26, 14488-14495	4.8	3
3	Sub-nanometer resolution of an organic semiconductor crystal surface using friction force microscopy in water. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 134002	1.8	3
2	Lasing: Organic Single Crystal Lasers: A Materials View (Advanced Optical Materials 3/2016). <i>Advanced Optical Materials</i> , 2016 , 4, 347-347	8.1	3
1	Molecular-scale shear response of the organic semiconductor β -BDCS (100) surface. <i>Physical Review B</i> , 2017 , 96,	3.3	2