

Shinto Varghese

List of Publications by Year in descending order

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38
papers

2,485
citations

218592

26
h-index

302012

39
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docs citations

39
times ranked

3072
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Molecular Packing in Determining Solid-State Optical Properties of π -Conjugated Materials. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 863-873.	2.1	314
2	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, 4757-4764.	6.6	288
3	Organic Single Crystal Lasers: A Materials View. <i>Advanced Optical Materials</i> , 2016, 4, 348-364.	3.6	207
4	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.	1.5	157
5	Luminescence in Crystalline Organic Materials: From Molecules to Molecular Solids. <i>Advanced Optical Materials</i> , 2021, 9, 2002251.	3.6	146
6	Hierarchical Self-Assembly of Donor-Acceptor-Substituted Butadiene Amphiphiles into Photoresponsive Vesicles and Gels. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6317-6321.	7.2	107
7	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.	1.5	98
8	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.	3.6	86
9	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.	1.5	75
10	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1597-1602.	2.1	71
11	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.	7.8	70
12	Stimulated Resonance Raman Scattering and Laser Oscillation in Highly Emissive Distyrylbenzene-Based Molecular Crystals. <i>Advanced Materials</i> , 2012, 24, 6473-6478.	11.1	62
13	Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 5907-5914.	1.9	61
14	Multiresponsive luminescent dicyanodistyrylbenzenes and their photochemistry in solution and in bulk. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2886-2893.	2.7	61
15	The influence of crystal packing on the solid state fluorescence behavior of alkyloxy substituted phenyleneethynylenes. <i>Journal of Materials Chemistry</i> , 2009, 19, 4401.	6.7	60
16	Trigonal 1,3,4-Oxadiazole-Based Blue Emitting Liquid Crystals and Gels. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13071-13080.	1.2	58
17	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9247-9253.	4.0	56
18	Supergelation via Purely Aromatic π -Driven Self-Assembly of Pseudodiscotic Oxadiazole Mesogens. <i>Journal of the American Chemical Society</i> , 2014, 136, 5416-5423.	6.6	52

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19	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.	7.8	46
20	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, 3682-3687.	2.1	44
21	Organobase triggered controlled supramolecular ring opening polymerization and 2D assembly. <i>Chemical Science</i> , 2019, 10, 7345-7351.	3.7	39
22	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	35
23	Bent-core liquid crystalline cyanostilbenes: fluorescence switching and thermochromism. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11715-11724.	1.3	33
24	Orthogonal Resonator Modes and Low Lasing Threshold in Highly Emissive Distyrylbenzene-Based Molecular Crystals. <i>Advanced Optical Materials</i> , 2014, 2, 542-548.	3.6	32
25	Highly Light-Sensitive Luminescent Cyanostilbene Flexible Dimers. <i>Advanced Optical Materials</i> , 2017, 5, 1600860.	3.6	30
26	Excited-state switching by per-fluorination of <i>para</i> -oligophenylenes. <i>Journal of Chemical Physics</i> , 2011, 135, 124509.	1.2	25
27	Butadiene-Based Photoresponsive Soft Materials. <i>Langmuir</i> , 2010, 26, 1598-1609.	1.6	24
28	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.	1.0	23
29	Near-Infrared Fluorescence of Silicon Phthalocyanine Carboxylate Esters. <i>Scientific Reports</i> , 2017, 7, 12282.	1.6	17
30	Supramolecular Nanowires from an Acceptor-Donor-Acceptor Conjugated Chromophore. <i>Chemistry - A European Journal</i> , 2019, 25, 16725-16731.	1.7	14
31	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.	3.6	13
32	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.	1.2	12
33	Enabling Control over Mechanical Conformity and Luminescence in Molecular Crystals: Interaction Engineering in Action. <i>Chemistry - A European Journal</i> , 2020, 26, 14488-14495.	1.7	10
34	Turn-on solid state luminescence by solvent-induced modification of intermolecular interactions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15742-15750.	2.7	10
35	Highly bluish-white light emissive and redox active conjugated poly-N-phenyl anthranilic acid polymer fluorophore for analytical sensing. <i>Polymer</i> , 2019, 181, 121747.	1.8	8
36	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.	0.7	3

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37	Lasing: Organic Single Crystal Lasers: A Materials View (Advanced Optical Materials 3/2016). Advanced Optical Materials, 2016, 4, 347-347.	3.6	3
38	Molecular-scale shear response of the organic semiconductor $\hat{\Gamma}^2$ -DBDCS (100) surface. Physical Review B, 2017, 96, .	1.1	3