

Kishore Sridharan

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,378
citations

331670

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h-index

330143

37
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38
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38
docs citations

38
times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust photocatalyst using silver quantum clusters grafted in titanium dioxide nanotubes. <i>Surfaces and Interfaces</i> , 2022, 30, 101941.	3.0	2
2	Advanced Two-Dimensional Heterojunction Photocatalysts of Stoichiometric and Non-Stoichiometric Bismuth Oxyhalides with Graphitic Carbon Nitride for Sustainable Energy and Environmental Applications. <i>Catalysts</i> , 2021, 11, 426.	3.5	48
3	A review on nanostructured silver as a basic ingredient in medicine: physicochemical parameters and characterization. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 440-461.	2.8	6
4	Bimetallic nanoparticles grafted ZnO hierarchical structures as efficient visible light driven photocatalyst: An experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2021, 1236, 130355.	3.6	12
5	Rapid sonochemical synthesis of copper doped ZnO grafted on graphene as a multi-component hierarchically structured visible-light-driven photocatalyst. <i>Materials Research Bulletin</i> , 2021, 140, 111290.	5.2	24
6	Priming with Nanoscale Materials for Boosting Abiotic Stress Tolerance in Crop Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10017-10035.	5.2	29
7	Graphitic C ₃ N ₄ /CdS composite photocatalyst: Synthesis, characterization and photodegradation of methylene blue under visible light. <i>Physica B: Condensed Matter</i> , 2020, 595, 412367.	2.7	29
8	Bismuth oxybromide nanoplates embedded on activated charcoal as effective visible light driven photocatalyst. <i>Chemical Physics Letters</i> , 2020, 749, 137435.	2.6	19
9	Ultrashort and short pulse nonlinear optical investigations in thiolated nine-atom silver quantum clusters embedded in one-dimensional TiO ₂ nanotube matrix. <i>Optical Materials</i> , 2019, 94, 53-57.	3.6	10
10	Cadmium sulfide nanostructures: Influence of morphology on the photocatalytic degradation of erioglaucine and hydrogen generation. <i>Applied Surface Science</i> , 2019, 483, 696-705.	6.1	54
11	Melt quenched vanadium oxide embedded in graphene oxide sheets as composite electrodes for amperometric dopamine sensing and lithium ion battery applications. <i>Applied Surface Science</i> , 2017, 410, 336-343.	6.1	22
12	Crystallization kinetics of Sn doped Ge ₂₀ Te ₈₀ -xSn _x (0 ≤ x ≤ 4) chalcogenide glassy alloys. <i>Journal of Alloys and Compounds</i> , 2017, 721, 674-682.	5.5	22
13	Porous cobalt chalcogenide nanostructures as high performance pseudo-capacitor electrodes. <i>Electrochimica Acta</i> , 2017, 248, 188-196.	5.2	50
14	Ultrafast and short pulse optical nonlinearity in isolated, sparingly sulfonated water soluble graphene. <i>Carbon</i> , 2017, 111, 283-290.	10.3	27
15	Eliminated Phototoxicity of TiO ₂ Particles by an Atomic Layer Deposited Al ₂ O ₃ Coating Layer for UV Protection Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 12022-12026.	3.3	34
16	Microwave assisted growth of stannous ferrite microcubes as electrodes for potentiometric nonenzymatic H ₂ O ₂ sensor and supercapacitor applications. <i>Electrochimica Acta</i> , 2016, 217, 139-149.	5.2	55
17	Nonlinear transmittance and optical power limiting in magnesium ferrite nanoparticles: effects of laser pulsewidth and particle size. <i>RSC Advances</i> , 2016, 6, 106754-106761.	3.6	28
18	Memory type switching behavior of ternary Ge ₂₀ Te ₈₀ -xSn _x (0 ≤ x ≤ 4) chalcogenide glasses. <i>Physics D: Applied Physics</i> , 2016, 49, 295104.	2.8	22

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19	Silver Quantum Cluster (Ag ₉) Grafted Graphitic Carbon Nitride Nanosheets for Photocatalytic Hydrogen Generation and Dye Degradation. Chemistry - A European Journal, 2015, 21, 9126-9132.	3.3	45
20	Superior Photostability and Photocatalytic Activity of ZnO Nanoparticles Coated with Ultrathin TiO ₂ Layers through Atomic Layer Deposition. Chemistry - A European Journal, 2015, 21, 19136-19141.	3.3	37
21	Nonlinear Optical Investigations in Nine-Atom Silver Quantum Clusters and Graphitic Carbon Nitride Nanosheets. Journal of Physical Chemistry C, 2015, 119, 16314-16320.	3.1	50
22	Anomalous growth of multi-phased and multi-dimensional Manganese oxide Metal (Fe, Co and Ni) oxide nanostructures: Synthesis and optical limiting properties. Journal of Alloys and Compounds, 2014, 611, 82-90.	5.5	5
23	Transition metal (Fe, Co and Ni) oxide nanoparticles grafted graphitic carbon nitrides as efficient optical limiters and recyclable photocatalysts. Applied Surface Science, 2014, 308, 139-147.	6.1	88
24	Impurity mediated large three photon absorption in ZnS:Cu nanophosphors. Optical Materials, 2014, 36, 861-866.	3.6	17
25	Thorn-ball shaped TiO ₂ nanostructures: Influence of Sn ²⁺ doping on the morphology and enhanced visible light photocatalytic activity. Applied Catalysis B: Environmental, 2013, 134-135, 174-184.	20.2	42
26	Deformation assisted fabrication of uniform spindle, tube and rod shaped nanoscale 3D TiO ₂ architectures and their photocatalytic activity. CrystEngComm, 2013, 15, 8241.	2.6	16
27	Non-hydrothermal synthesis and optical limiting properties of one-dimensional Se/C, Te/C and Se/Te/C core-shell nanostructures. Carbon, 2013, 63, 263-273.	10.3	52
28	Novel N-substituted-5-phenyl-1H-pyrazole-4-ethyl carboxylates as potential NLO materials. Arabian Journal of Chemistry, 2013, 6, 97-102.	4.9	15
29	Novel visible light active graphitic C ₃ N ₄ -TiO ₂ composite photocatalyst: Synergistic synthesis, growth and photocatalytic treatment of hazardous pollutants. Applied Catalysis B: Environmental, 2013, 142-143, 718-728.	20.2	330
30	Single step synthesis and optical limiting properties of Ni-Ag and Fe-Ag bimetallic nanoparticles. Optical Materials, 2013, 35, 860-867.	3.6	63
31	Synthesis, characterization, and nonlinear optical properties of donor-acceptor conjugated polymers and polymer/Ag nanocomposites. Journal of Materials Science, 2012, 47, 8022-8034.	3.7	22
32	Investigations on the electrical, thermal and optical properties of the nonlinear optical allylthiourea mercury chloride single crystals. Materials Research Bulletin, 2012, 47, 4043-4047.	5.2	4
33	A comparative study on the optical limiting properties of different nano spinel ferrites with Z-scan technique. Materials Research Bulletin, 2012, 47, 1855-1860.	5.2	41
34	Synthesis and nonlinear optical properties of Lead Telluride nanorods. Optical Materials, 2012, 34, 639-645.	3.6	29
35	An Optical Limiter Based on Silver-Silica Nanocomposites. Advanced Science, Engineering and Medicine, 2012, 4, 33-38.	0.3	6
36	Optical Nonlinearity in NiFe ₂ O ₄ Nanoparticles. Transactions of the Materials Research Society of Japan, 2010, 35, 159-162.	0.2	9

#	ARTICLE	IF	CITATIONS
37	Optical nonlinearity in lead sulfide microtowers. Journal Physics D: Applied Physics, 2010, 43, 385402.	2.8	14