

Kishore Sridharan

List of Publications by Year in descending order

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37
papers

1,378
citations

331670

21
h-index

330143

37
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38
docs citations

38
times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel visible light active graphitic C ₃ N ₄ @TiO ₂ composite photocatalyst: Synergistic synthesis, growth and photocatalytic treatment of hazardous pollutants. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 718-728.	20.2	330
2	Transition metal (Fe, Co and Ni) oxide nanoparticles grafted graphitic carbon nitrides as efficient optical limiters and recyclable photocatalysts. <i>Applied Surface Science</i> , 2014, 308, 139-147.	6.1	88
3	Single step synthesis and optical limiting properties of Ni@Ag and Fe@Ag bimetallic nanoparticles. <i>Optical Materials</i> , 2013, 35, 860-867.	3.6	63
4	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
5	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
6	Non-hydrothermal synthesis and optical limiting properties of one-dimensional Se/C, Te/C and Se@Te/C core-shell nanostructures. <i>Carbon</i> , 2013, 63, 263-273.	10.3	52
7	Nonlinear Optical Investigations in Nine-Atom Silver Quantum Clusters and Graphitic Carbon Nitride Nanosheets. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16314-16320.	3.1	50
8	Porous cobalt chalcogenide nanostructures as high performance pseudo-capacitor electrodes. <i>Electrochimica Acta</i> , 2017, 248, 188-196.	5.2	50
9	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
10	Silver Quantum Cluster (Ag ₉)@Grafted Graphitic Carbon Nitride Nanosheets for Photocatalytic Hydrogen Generation and Dye Degradation. <i>Chemistry - A European Journal</i> , 2015, 21, 9126-9132.	3.3	45
11	Thorn-ball shaped TiO ₂ nanostructures: Influence of Sn ²⁺ doping on the morphology and enhanced visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 174-184.	20.2	42
12	A comparative study on the optical limiting properties of different nano spinel ferrites with Z-scan technique. <i>Materials Research Bulletin</i> , 2012, 47, 1855-1860.	5.2	41
13	Superior Photostability and Photocatalytic Activity of ZnO Nanoparticles Coated with Ultrathin TiO ₂ Layers through Atomic Layer Deposition. <i>Chemistry - A European Journal</i> , 2015, 21, 19136-19141.	3.3	37
14	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
15	Synthesis and nonlinear optical properties of Lead Telluride nanorods. <i>Optical Materials</i> , 2012, 34, 639-645.	3.6	29
16	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
17	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
18	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

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19	Ultrafast and short pulse optical nonlinearity in isolated, sparingly sulfonated water soluble graphene. Carbon, 2017, 111, 283-290.	10.3	27
20	Rapid sonochemical synthesis of copper doped ZnO grafted on graphene as a multi-component hierarchically structured visible-light-driven photocatalyst. Materials Research Bulletin, 2021, 140, 111290.	5.2	24
21	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
22	Memory type switching behavior of ternary Ge ₂₀ Te _{80-x} Sn _x (0 ≤ x ≤ 4) chalcogenide glasses. Physics D: Applied Physics, 2016, 49, 295104.	2.8	22
23	Melt quenched vanadium oxide embedded in graphene oxide sheets as composite electrodes for amperometric dopamine sensing and lithium ion battery applications. Applied Surface Science, 2017, 410, 336-343.	6.1	22
24	Crystallization kinetics of Sn doped Ge ₂₀ Te _{80-x} Sn _x (0 ≤ x ≤ 4) chalcogenide glassy alloys. Journal of Alloys and Compounds, 2017, 721, 674-682.	5.5	22
25	Bismuth oxybromide nanoplates embedded on activated charcoal as effective visible light driven photocatalyst. Chemical Physics Letters, 2020, 749, 137435.	2.6	19
26	Impurity mediated large three photon absorption in ZnS:Cu nanophosphors. Optical Materials, 2014, 36, 861-866.	3.6	17
27	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
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	Optical nonlinearity in lead sulfide microtowers. Journal Physics D: Applied Physics, 2010, 43, 385402.	2.8	14
30	Bimetallic nanoparticles grafted ZnO hierarchical structures as efficient visible light driven photocatalyst: An experimental and theoretical study. Journal of Molecular Structure, 2021, 1236, 130355.	3.6	12
31	Ultrashort and short pulse nonlinear optical investigations in thiolated nine-atom silver quantum clusters embedded in one-dimensional TiO ₂ nanotube matrix. Optical Materials, 2019, 94, 53-57.	3.6	10
32	Optical Nonlinearity in NiFe ₂ O ₄ Nanoparticles. Transactions of the Materials Research Society of Japan, 2010, 35, 159-162.	0.2	9
33	A review on nanostructured silver as a basic ingredient in medicine: physicochemical parameters and characterization. Beilstein Journal of Nanotechnology, 2021, 12, 440-461.	2.8	6
34	An Optical Limiter Based on Silver-Silica Nanocomposites. Advanced Science, Engineering and Medicine, 2012, 4, 33-38.	0.3	6
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	A robust photocatalyst using silver quantum clusters grafted in titanium dioxide nanotubes. Surfaces and Interfaces, 2022, 30, 101941.	3.0	2