

# Srikantaswamy Shivanna

## List of Publications by Year in descending order

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46  
papers

715  
citations

566801

15  
h-index

580395

25  
g-index

46  
all docs

46  
docs citations

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times ranked

798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic dye degradation and biological activities of the Fe <sub>2</sub> O <sub>3</sub> /Cu <sub>2</sub> O nanocomposite. RSC Advances, 2019, 9, 8557-8568.	1.7	119
2	Carbon nanocells and nanotubes grown in hydrothermal fluids. Chemical Physics Letters, 2000, 329, 317-322.	1.2	77
3	Microwave treated sol-gel synthesis and characterization of hybrid ZnS-RGO composites for efficient photodegradation of dyes. New Journal of Chemistry, 2017, 41, 1723-1735.	1.4	49
4	Rational construction of plasmonic Z-scheme Ag-ZnO-CeO <sub>2</sub> heterostructures for highly enhanced solar photocatalytic H <sub>2</sub> evolution. Applied Surface Science, 2021, 541, 148457.	3.1	39
5	Electronically semitransparent ZnO nanorods with superior electron transport ability for DSSCs and solar photocatalysis. Ceramics International, 2018, 44, 7202-7208.	2.3	33
6	Hydrothermal synthesis of MoO <sub>3</sub> /ZnO heterostructure with highly enhanced photocatalysis and their environmental interest. Journal of Environmental Chemical Engineering, 2021, 9, 105040.	3.3	25
7	Dispersion of Multiwall Carbon Nanotubes in Organic Solvents through Hydrothermal Supercritical Condition. Journal of Nanomaterials, 2015, 2015, 1-6.	1.5	21
8	Dry-Coated Graphite onto Sandpaper for Triboelectric Nanogenerator as an Active Power Source for Portable Electronics. Nanomaterials, 2019, 9, 1585.	1.9	20
9	Simultaneous removal of dye and heavy metals in a single step reaction using PVA/MWCNT composites. Analytical Methods, 2016, 8, 2408-2412.	1.3	19
10	The correlation among morphology, oxygen vacancies and properties of ZnO nanoflowers. Journal of Materials Science: Materials in Electronics, 2018, 29, 13551-13560.	1.1	19
11	Microwave hydrothermal synthesis of copper induced ZnO/gC <sub>3</sub> N <sub>4</sub> heterostructure with efficient photocatalytic degradation through S-scheme mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113394.	2.0	18
12	Stability of single-wall carbon nanotubes under hydrothermal conditions. Journal of Materials Research, 2002, 17, 734-737.	1.2	17
13	Statistical Multivariate Analysis in the Assessment of River Water Quality in the Vicinity of KRS Dam, Karnataka, India. Natural Resources Research, 2009, 18, 235-247.	2.2	17
14	Comparative Study on the Effects of Surface Area, Conduction Band and Valence Band Positions on the Photocatalytic Activity of ZnO-MgO-x%ZnO-y%ZnO Heterostructures. Journal of Water Resource and Protection, 2019, 11, 357-370.	0.3	17
15	Synthesis and characterization of a new polymorphic modification of AlPO <sub>4</sub> . Journal of Crystal Growth, 1986, 79, 232-235.	0.7	16
16	Influence of admixtures on the crystallization and morphology of AlPO <sub>4</sub> crystals. Journal of Materials Science, 1986, 21, 2202-2206.	1.7	16
17	Phase and structural change of carbonized wood materials by hydrothermal treatment. Solid State Ionics, 2002, 151, 197-203.	1.3	16
18	Hydrothermal synthesis, characterization and enhanced photocatalytic activity and toxicity studies of a rhombohedral Fe <sub>2</sub> O <sub>3</sub> nanomaterial. RSC Advances, 2019, 9, 25158-25169.	1.7	16

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19	Synthesis of graphite oxide nanoparticles and conductivity studies of PSF/GO and PSAN/GO polymer nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 246, 62-75.	1.7	16
20	Infrared spectra of aluminium orthophosphate crystals. <i>Journal of Materials Science Letters</i> , 1986, 5, 203-205.	0.5	15
21	Speciation of heavy metals in biosolids of wastewater treatment plants at Mysore, Karnataka, India. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 239-249.	1.3	13
22	Hydrothermal processing of interfacial BiCeO <sub>3</sub> /MWCNTs photocatalyst for rapid dye degradation and its biological interest. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105774.	3.3	13
23	Ecofriendly Synthesis of Metal/Metal Oxide Nanoparticles and Their Application in Food Packaging and Food Preservation. , 2018, , 197-216.		11
24	Evolution of single-wall carbon nanotubes during hydrothermal treatment. <i>Solid State Ionics</i> , 2002, 151, 205-211.	1.3	9
25	Visible Light Assisted Photocatalytic Degradation of Chromium (VI) by Using Nanoporous Fe <sub>2</sub> O <sub>3</sub> . <i>Journal of Materials</i> , 2018, 2018, 1-13.	0.1	9
26	Hydrothermal synthesis of Ga <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanocomposites with highly enhanced solar photocatalysis and their biological interest. <i>Journal of Photochemistry and Photobiology</i> , 2021, 6, 100020.	1.1	8
27	Effect of CeO <sub>2</sub> nanoparticles on dielectric properties of PVB/CeO <sub>2</sub> polymer nanodielectrics: a positron lifetime study. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 1063-1077.	1.1	8
28	Influence of admixtures on the $\pm 2$ berlinite transition. <i>Journal of Materials Science Letters</i> , 1986, 5, 347-348.	0.5	7
29	Synthesis of graphene nanosheets by emitted black carbon and its sustainable applications. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104071.	3.3	7
30	New polymorphic modification of aluminium orthophosphate. <i>Journal of Materials Science Letters</i> , 1986, 5, 690-692.	0.5	6
31	Conductivity pre-exponential factors for some new superionic conductors. <i>Bulletin of Materials Science</i> , 1987, 9, 317-321.	0.8	6
32	Recent progress in the growth and characterization of aluminum orthophosphate crystals. <i>Progress in Crystal Growth and Characterization of Materials</i> , 1991, 21, 199-254.	1.8	6
33	Hydrothermal synthesis and structure of TmP <sub>5</sub> O <sub>14</sub> . <i>Journal of Materials Science Letters</i> , 1990, 9, 235-236.	0.5	5
34	X-ray data for AlPO <sub>4</sub> crystals. <i>Journal of Materials Science Letters</i> , 1986, 5, 495-495.	0.5	3
35	Ionic conductivity measurements for AlPO <sub>4</sub> :M <sub>1</sub> <sup>+</sup> (M <sub>1</sub> <sup>+</sup> = Li, Na) crystals. <i>Journal of Materials Science Letters</i> , 1987, 6, 1053-1054.	0.5	3
36	Synthesis and characterization of new superionic conductors NaCu <sub>2</sub> ZrP <sub>3</sub> O <sub>12</sub> and Na <sub>2</sub> (La, Fe)ZrP <sub>3</sub> O <sub>12</sub> . <i>Solid State Ionics</i> , 1987, 24, 1-6.	1.3	3

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37	Environmental Flow Requirements in Tungabhadra River, Karnataka, India. Natural Resources Research, 2011, 20, 193-205.	2.2	3
38	High-temperature X-ray diffraction studies of berlinite crystals. Journal of Materials Science Letters, 1986, 5, 1189-1190.	0.5	2
39	Synthesis, Characterization of Copper Metavanadate (CuV <sub>2</sub> O <sub>6</sub> ) Nanostructures Via Hydrothermal Method and their Photocatalytic Performance. Oriental Journal of Chemistry, 2018, 34, 1263-1269.	0.1	2
40	Photo-catalytic dye degradation of methylene blue by using ZrO <sub>2</sub> /MWCNT nanocomposites. Water Practice and Technology, 2021, 16, 1265-1276.	1.0	2
41	Fabrication of spherical porous pAg <sub>2</sub> O-nWO <sub>3</sub> /Ag/GNS heterostructure with enhanced photocatalytic activity through plasmonic S-scheme mechanism and its complementing biological interest. Chemosphere, 2022, 294, 133715.	4.2	2
42	Crystal data for NaNi <sub>2</sub> ZrP <sub>3</sub> O <sub>12</sub> and Na <sub>2</sub> (La, Al)TiP <sub>3</sub> O <sub>12</sub> . Journal of Materials Science Letters, 1986, 5, 701-702.	0.5	1
43	Designing of Fe <sub>2</sub> O <sub>3</sub> /GO heterostructure with enhanced photocatalytic activity and biological applications. Nanotechnology for Environmental Engineering, 2021, 6, 1.	2.0	1
44	Crystal data for NaMn <sub>2</sub> ZrP <sub>3</sub> O <sub>12</sub> , Na <sub>2</sub> (Ce, Co)ZrP <sub>3</sub> O <sub>12</sub> and Na <sub>2</sub> (La, Co)TiP <sub>3</sub> O <sub>12</sub> . Journal of Materials Science Letters, 1986, 5, 1081-1082.	0.5	0
45	Crystal data for Na <sub>2</sub> LaZrP <sub>3</sub> O <sub>12</sub> and Na <sub>2</sub> (R, Me)ZrP <sub>3</sub> O <sub>12</sub> crystals. Journal of Materials Science Letters, 1986, 5, 1104-1106.	0.5	0
46	Hydrothermal synthesis and characterization of AlPO <sub>4</sub> :Nd crystals. Journal of the Less Common Metals, 1987, 127, 263-264.	0.9	0