

Milind V Kulkarni

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,516
citations

201674

27
h-index

197818

49
g-index

61
all docs

61
docs citations

61
times ranked

3261
citing authors

#	ARTICLE	IF	CITATIONS
1	Green approach for hierarchical nanostructured Ag-ZnO and their photocatalytic performance under sunlight. <i>Catalysis Today</i> , 2016, 260, 126-134.	4.4	229
2	Polyaniline and its substituted derivatives as sensor for aliphatic alcohols. <i>Sensors and Actuators B: Chemical</i> , 2000, 67, 173-177.	7.8	156
3	Studies on chemically synthesized soluble acrylic acid doped polyaniline. <i>Materials Chemistry and Physics</i> , 2002, 73, 106-110.	4.0	153
4	Nanowires of silver-polyaniline nanocomposite synthesized via in situ polymerization and its novel functionality as an antibacterial agent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 35-41.	5.0	126
5	Synthesis and characterization of polyaniline doped with organic acids. <i>Journal of Polymer Science Part A</i> , 2004, 42, 2043-2049.	2.3	120
6	Ink-jet printed conducting polyaniline based flexible humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 140-143.	7.8	116
7	Comparative studies of chemically synthesized polyaniline and poly(o-toluidine) doped with p-toluene sulphonic acid. <i>European Polymer Journal</i> , 2004, 40, 379-384.	5.4	110
8	Spectroscopic, transport, and morphological studies of polyaniline doped with inorganic acids. <i>Polymer Engineering and Science</i> , 2004, 44, 1676-1681.	3.1	102
9	Mimics of microstructures of Ni substituted $Mn_{1-x}Ni_xCo_2O_4$ for high energy density asymmetric capacitors. <i>Chemical Engineering Journal</i> , 2017, 307, 300-310.	12.7	76
10	Hierarchical nanostructures of CdIn ₂ S ₄ via hydrothermal and microwave methods: efficient solar-light-driven photocatalysts. <i>Journal of Materials Chemistry</i> , 2010, 20, 6095.	6.7	71
11	Spectroscopic, thermal and electrical properties of sulphonic acids doped poly(o-anisidine) and their application as humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 791-797.	7.8	69
12	A green process for efficient lignin (biomass) degradation and hydrogen production via water splitting using nanostructured C, N, S-doped ZnO under solar light. <i>RSC Advances</i> , 2014, 4, 60626-60635.	3.6	64
13	Studies on chemically synthesized organic acid doped poly(o-toluidine). <i>Materials Chemistry and Physics</i> , 2005, 89, 1-5.	4.0	59
14	Nanostructured N-doped TiO ₂ marigold flowers for an efficient solar hydrogen production from H ₂ S. <i>Nanoscale</i> , 2013, 5, 9383.	5.6	57
15	Magnetically separable Ag ₃ PO ₄ /NiFe ₂ O ₄ composites with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2015, 44, 20426-20434.	3.3	57
16	Confinement of Ag ₃ PO ₄ nanoparticles supported by surface plasmon resonance of Ag in glass: Efficient nanoscale photocatalyst for solar H ₂ production from waste H ₂ S. <i>Applied Catalysis B: Environmental</i> , 2016, 190, 75-84.	20.2	54
17	Synthesis, characterization, and morphology of p-toluene sulfonic acid-doped polyaniline: A material for humidity sensing application. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 2161-2169.	2.1	53
18	Synthesis and humidity sensing properties of conducting poly(N-methyl aniline) doped with different acids. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 140-149.	7.8	51

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19	Studies of conducting polyaniline (PANI) wrapped-multiwalled carbon nanotubes (MWCNTs) nanocomposite and its application for optical pH sensing. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 407-412.	7.8	51
20	Evaluation of anti-quorum sensing activity of silver nanowires. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3593-3601.	3.6	41
21	Nanostructured 2D MoS ₂ honeycomb and hierarchical 3D CdMoS ₄ marigold nanoflowers for hydrogen production under solar light. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21233-21243.	10.3	41
22	Nanostructured CdS sensitized CdWO ₄ nanorods for hydrogen generation from hydrogen sulfide and dye degradation under sunlight. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 504-512.	9.4	40
23	Effect of zinc-cobalt composition in ZnCo ₂ O ₄ spinels for highly selective liquefied petroleum gas sensing at low and high temperatures. <i>RSC Advances</i> , 2015, 5, 40429-40436.	3.6	36
24	Perforated N-doped monoclinic ZnWO ₄ nanorods for efficient photocatalytic hydrogen generation and RhB degradation under natural sunlight. <i>Catalysis Science and Technology</i> , 2018, 8, 2909-2919.	4.1	33
25	Scanning Electron Microscopy, Spectroscopy, and Thermal Studies of Polyaniline Doped with Various Sulfonic Acids. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004, 41, 1173-1186.	2.2	32
26	Architecture of the CdIn ₂ S ₄ /graphene nano-heterostructure for solar hydrogen production and anode for lithium ion battery. <i>RSC Advances</i> , 2016, 6, 34724-34736.	3.6	29
27	Cellulose-Derived Flame-Retardant Solid Polymer Electrolyte for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1559-1567.	6.7	29
28	Functionality of bismuth sulfide quantum dots/wires-glass nanocomposite as an optical current sensor with enhanced Verdet constant. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	27
29	Growth study of hierarchical Ag ₃ PO ₄ /LaCO ₃ OH heterostructures and their efficient photocatalytic activity for RhB degradation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20541-20550.	2.8	27
30	Novel and stable Mn ²⁺ @Bi ₂ S ₃ quantum dots-glass system with giant magneto optical Faraday rotations. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1203-1210.	5.5	23
31	<i>In situ</i> preparation of CdS decorated ZnWO ₄ nanorods as a photocatalyst for direct conversion of sunlight into fuel and RhB degradation. <i>Sustainable Energy and Fuels</i> , 2019, 3, 793-800.	4.9	21
32	Graphene-wrapped Ag ₃ PO ₄ /LaCO ₃ OH heterostructures for water purification under visible light. <i>Journal of Energy Chemistry</i> , 2016, 25, 845-853.	12.9	20
33	Nanowires of Ni Substituted MnCo ₂ O ₄ as an Anode Material for High Performance Lithium-ion Battery. <i>ChemistrySelect</i> , 2017, 2, 4630-4637.	1.5	20
34	Synthesis and characterization of poly(N-methyl aniline) doped with sulphonic acids: Their application as humidity sensors. <i>Journal of Applied Polymer Science</i> , 2006, 99, 812-820.	2.6	19
35	Spectroscopic and electrochemical properties of poly(2,5 dimethyl aniline) films. <i>Materials Chemistry and Physics</i> , 1999, 60, 262-267.	4.0	18
36	Facile synthesis of SnO ₂ @carbon nanocomposites for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 3366-3374.	2.8	18

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37	Formation of multifunctional nanocomposites with ultrathin layers of polyaniline (PANI) on silver vanadium oxide (SVO) nanospheres by in situ polymerization. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3992.	10.3	17
38	Silver-decorated orthorhombic nanotubes of lithium vanadium oxide: an impeder of bacterial growth and biofilm. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8283-8290.	3.6	16
39	Poly(2,3-dimethylaniline) as a competent material for humidity sensor. <i>Journal of Applied Polymer Science</i> , 2001, 81, 1382-1387.	2.6	15
40	Investigation of effect of protonic acid media on the optical and thermal properties of chemically synthesized poly(o-toluidine). <i>Journal of Materials Science: Materials in Electronics</i> , 2004, 15, 781-785.	2.2	15
41	Magneto-optic characteristics of ferric oxide quantum-dot-phosphate glass nanocomposite. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 531-535.	2.3	15
42	Surface modified $\text{Li}_4\text{Ti}_5\text{O}_{12}$ by paper templated approach for enhanced interfacial Li^+ charge transfer in Li-ion batteries. <i>RSC Advances</i> , 2018, 8, 38391-38399.	3.6	15
43	Nanocrystalline silver vanadium sulfide (SVS) anchored polyaniline (PANI): new nanocomposite system for supercapacitor. <i>New Journal of Chemistry</i> , 2013, 37, 3236.	2.8	14
44	Silicon nanoparticle-sandwiched ultrathin MoS_2 "graphene layers as an anode material for Li-ion batteries. <i>Materials Chemistry Frontiers</i> , 2019, 3, 587-596.	5.9	14
45	Sulphonic acids doped poly(<i>N</i> -ethyl aniline): A material for humidity sensing application. <i>Polymer Engineering and Science</i> , 2007, 47, 1621-1629.	3.1	13
46	Microwave-assisted hydrothermal synthesis and characterization of tremella-like polyaniline "vanadium oxide nanocomposite nanosheets. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 168, 199-203.	3.5	13
47	Synthesis and characterization of Bi_2S_3 nanocrystals in glass matrix. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 168, 161-163.	3.5	12
48	Synthesis and Characterization of Conducting Polyaniline Doped with Polymeric Acids. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 759-771.	2.2	11
49	Plasmonic Ag decorated CdMoO_4 as an efficient photocatalyst for solar hydrogen production. <i>RSC Advances</i> , 2019, 9, 28525-28533.	3.6	11
50	Synthesis and Characterization of Poly(o-anisidine) Doped with Polymeric Acids. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2006, 55, 501-512.	3.4	10
51	Morphology controlled synthesis of $\text{LiV}_2\text{O}_5/\text{Ag}$ nanocomposite nanotubes with enhanced electrochemical performance. <i>RSC Advances</i> , 2012, 2, 3231.	3.6	10
52	Synergic effects of the decoration of nickel oxide nanoparticles on silicon for enhanced electrochemical performance in LIBs. <i>Nanoscale Advances</i> , 2020, 2, 823-832.	4.6	10
53	Ionic Liquid-Supported Interpenetrating Polymer Network Flexible Solid Electrolytes for Lithium-Ion Batteries. <i>Energy & Fuels</i> , 2022, 36, 4999-5008.	5.1	10
54	Processing and formulation of inkjet printable conducting polyaniline based ink for low cost, flexible humidity sensors using untreated polymeric substrate. <i>Smart Materials and Structures</i> , 2012, 21, 035023.	3.5	9

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55	A nanostructured SnO ₂ /Ni/CNT composite as an anode for Li ion batteries. RSC Advances, 2021, 11, 19531-19540.	3.6	8
56	Synergetic Strategy for the Fabrication of Self-Standing Distorted Carbon Nanofibers with Heteroatom Doping for Sodium-Ion Batteries. ACS Omega, 2021, 6, 15686-15697.	3.5	8
57	Investigation of Spectroscopic and Thermal Properties of Poly(α -toluidine) Doped with Polymeric Acids. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 197-203.	2.2	7
58	Facilitated Lithium Storage in Hierarchical Microsphere of Cu ₂ S@MoS ₂ Ultrathin Nanosheets. ChemistrySelect, 2018, 3, 11020-11026.	1.5	7
59	Efficient solar light-driven hydrogen generation using an Sn ₃ O ₄ nanoflake/graphene nanoheterostructure. RSC Advances, 2021, 11, 29877-29886.	3.6	7
60	Synergy of a heteroatom (P α F) in nanostructured Sn ₃ O ₄ as an anode for sodium-ion batteries. Sustainable Energy and Fuels, 2021, 5, 2678-2687.	4.9	1