Milind V Kulkarni

List of Publications by Year
in descending order

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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	Ionic Liquid-Supported Interpenetrating Polymer Network Flexible Solid Electrolytes for Lithium-Ion Batteries. Energy & Fuels, 2022, 36, 4999-5008.	5.1	10
2	Efficient solar light-driven hydrogen generation using an Sn₃O₄ nanoflake/graphene nanoheterostructure. RSC Advances, 2021, 11, 29877-29886.	3.6	7
3	Synergy of a heteroatom (Pâ€“F) in nanostructured Sn3O4 as an anode for sodium-ion batteries. Sustainable Energy and Fuels, 2021, 5, 2678-2687.	4.9	1
4	A nanostructured SnO₂/Ni/CNT composite as an anode for Li ion batteries. RSC Advances, 2021, 11, 19531-19540.	3.6	8
5	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
6	Cellulose-Derived Flame-Retardant Solid Polymer Electrolyte for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 1559-1567.	6.7	29
7	Synergic effects of the decoration of nickel oxide nanoparticles on silicon for enhanced electrochemical performance in LIBs. Nanoscale Advances, 2020, 2, 823-832.	4.6	10
8	Facile synthesis of SnO2@carbon nanocomposites for lithium-ion batteries. New Journal of Chemistry, 2020, 44, 3366-3374.	2.8	18
9	Plasmonic Ag decorated CdMoO₄ as an efficient photocatalyst for solar hydrogen production. RSC Advances, 2019, 9, 28525-28533.	3.6	11
10	Silicon nanoparticle-sandwiched ultrathin MoS₂â€“graphene layers as an anode material for Li-ion batteries. Materials Chemistry Frontiers, 2019, 3, 587-596.	5.9	14
11	In situ preparation of CdS decorated ZnWO₄ nanorods as a photocatalyst for direct conversion of sunlight into fuel and RhB degradation. Sustainable Energy and Fuels, 2019, 3, 793-800.	4.9	21
12	Perforated N-doped monoclinic ZnWO₄ nanorods for efficient photocatalytic hydrogen generation and RhB degradation under natural sunlight. Catalysis Science and Technology, 2018, 8, 2909-2919.	4.1	33
13	Surface modified Li₄Ti₅O₁₂ by paper templated approach for enhanced interfacial Li⁺ charge transfer in Li-ion batteries. RSC Advances, 2018, 8, 38391-38399.	3.6	15
14	Facilitated Lithium Storage in Hierarchical Microsphere of Cu₂Sâ€MoS₂ Ultrathin Nanosheets. ChemistrySelect, 2018, 3, 11020-11026.	1.5	7
15	Nanowires of Ni Substituted MnCo₂O₄as an Anode Material for High Performance Lithium-ion Battery. ChemistrySelect, 2017, 2, 4630-4637.	1.5	20
16	Growth study of hierarchical Ag₃PO₄/LaCO₃OH heterostructures and their efficient photocatalytic activity for RhB degradation. Physical Chemistry Chemical Physics, 2017, 19, 20541-20550.	2.8	27
17	Nanostructured CdS sensitized CdWO4 nanorods for hydrogen generation from hydrogen sulfide and dye degradation under sunlight. Journal of Colloid and Interface Science, 2017, 487, 504-512.	9.4	40
18	Mimics of microstructures of Ni substituted Mn1â^'xNixCo2O4 for high energy density asymmetric capacitors. Chemical Engineering Journal, 2017, 307, 300-310.	12.7	76

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19	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. Applied Catalysis B: Environmental, 2016, 190, 75-84.	20.2	54
20	Architecture of the CdIn₂S₄/graphene nano-heterostructure for solar hydrogen production and anode for lithium ion battery. RSC Advances, 2016, 6, 34724-34736.	3.6	29
21	Graphene-wrapped Ag 3 PO 4 /LaCO 3 OH heterostructures for water purification under visible light. Journal of Energy Chemistry, 2016, 25, 845-853.	12.9	20
22	Green approach for hierarchical nanostructured Ag-ZnO and their photocatalytic performance under sunlight. Catalysis Today, 2016, 260, 126-134.	4.4	229
23	Effect of zincâ€‰:â€‰cobalt composition in ZnCo₂O₄ spinels for highly selective liquefied petroleum gas sensing at low and high temperatures. RSC Advances, 2015, 5, 40429-40436.	3.6	36
24	Magnetically separable Ag₃PO₄/NiFe₂O₄composites with enhanced photocatalytic activity. Dalton Transactions, 2015, 44, 20426-20434.	3.3	57
25	Nanostructured 2D MoS₂ honeycomb and hierarchical 3D CdMoS₄ marigold nanoflowers for hydrogen production under solar light. Journal of Materials Chemistry A, 2015, 3, 21233-21243.	10.3	41
26	A green process for efficient lignin (biomass) degradation and hydrogen production via water splitting using nanostructured C, N, S-doped ZnO under solar light. RSC Advances, 2014, 4, 60626-60635.	3.6	64
27	Nanostructured N-doped TiO2 marigold flowers for an efficient solar hydrogen production from H2S. Nanoscale, 2013, 5, 9383.	5.6	57
28	Formation of multifunctional nanocomposites with ultrathin layers of polyaniline (PANI) on silver vanadium oxide (SVO) nanospheres by in situ polymerization. Journal of Materials Chemistry A, 2013, 1, 3992.	10.3	17
29	Silver-decorated orthorhombic nanotubes of lithium vanadium oxide: an impeder of bacterial growth and biofilm. Applied Microbiology and Biotechnology, 2013, 97, 8283-8290.	3.6	16
30	Evaluation of anti-quorum sensing activity of silver nanowires. Applied Microbiology and Biotechnology, 2013, 97, 3593-3601.	3.6	41
31	Nanocrystalline silver vanadium sulfide (SVS) anchored polyaniline (PANI): new nanocomposite system for supercapacitor. New Journal of Chemistry, 2013, 37, 3236.	2.8	14
32	Ink-jet printed conducting polyaniline based flexible humidity sensor. Sensors and Actuators B: Chemical, 2013, 178, 140-143.	7.8	116
33	Studies of conducting polyaniline (PANI) wrapped-multiwalled carbon nanotubes (MWCNTs) nanocomposite and its application for optical pH sensing. Sensors and Actuators B: Chemical, 2013, 187, 407-412.	7.8	51
34	Novel and stable Mn²⁺@Bi₂S₃quantum dotsâ€“glass system with giant magneto optical Faraday rotations. Journal of Materials Chemistry C, 2013, 1, 1203-1210.	5.5	23
35	Morphology controlled synthesis of LiV2O5/Ag nanocomposite nanotubes with enhanced electrochemical performance. RSC Advances, 2012, 2, 3231.	3.6	10
36	Processing and formulation of inkjet printable conducting polyaniline based ink for low cost, flexible humidity sensors using untreated polymeric substrate. Smart Materials and Structures, 2012, 21, 035023.	3.5	9

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37	Nanowires of silverâ€“polyaniline nanocomposite synthesized via in situ polymerization and its novel functionality as an antibacterial agent. Colloids and Surfaces B: Biointerfaces, 2012, 92, 35-41.	5.0	126
38	Functionality of bismuth sulfide quantum dots/wires-glass nanocomposite as an optical current sensor with enhanced Verdet constant. Journal of Applied Physics, 2011, 109, .	2.5	27
39	Magneto-optic characteristics of ferric oxide quantum-dot-phosphate glass nanocomposite. Applied Physics A: Materials Science and Processing, 2010, 98, 531-535.	2.3	15
40	Synthesis and characterization of Bi2S3 nanocrystals in glass matrix. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 168, 161-163.	3.5	12
41	Microwave-assisted hydrothermal synthesis and characterization of tremella-like polyanilineâ€“vanadium oxide nanocomposite nanosheets. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 168, 199-203.	3.5	13
42	Hierarchical nanostructures of CdIn2S4via hydrothermal and microwave methods: efficient solar-light-driven photocatalysts. Journal of Materials Chemistry, 2010, 20, 6095.	6.7	71
43	Sulphonic acids doped poly(Nâ€ethyl aniline): A material for humidity sensing application. Polymer Engineering and Science, 2007, 47, 1621-1629.	3.1	13
44	Synthesis and Characterization of Conducting Polyaniline Doped with Polymeric Acids. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 759-771.	2.2	11
45	Synthesis and Characterization of Poly(o-anisidine) Doped with Polymeric Acids. International Journal of Polymeric Materials and Polymeric Biomaterials, 2006, 55, 501-512.	3.4	10
46	Investigation of Spectroscopic and Thermal Properties of Poly(oâ€toluidine) Doped with Polymeric Acids. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 197-203.	2.2	7
47	Synthesis and humidity sensing properties of conducting poly(N-methyl aniline) doped with different acids. Sensors and Actuators B: Chemical, 2006, 115, 140-149.	7.8	51
48	Synthesis and characterization of poly(N-methyl aniline) doped with sulphonic acids: Their application as humidity sensors. Journal of Applied Polymer Science, 2006, 99, 812-820.	2.6	19
49	Studies on chemically synthesized organic acid doped poly(o-toluidine). Materials Chemistry and Physics, 2005, 89, 1-5.	4.0	59
50	Spectroscopic, thermal and electrical properties of sulphonic acids doped poly(o-anisidine) and their application as humidity sensor. Sensors and Actuators B: Chemical, 2005, 107, 791-797.	7.8	69
51	Synthesis, characterization, and morphology ofp-toluene sulfonic acid-doped polyaniline: A material for humidity sensing application. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2161-2169.	2.1	53
52	Investigation of effect of protonic acid media on the optical and thermal properties of chemically synthesized poly(o-toluidine). Journal of Materials Science: Materials in Electronics, 2004, 15, 781-785.	2.2	15
53	Spectroscopic, transport, and morphological studies of polyaniline doped with inorganic acids. Polymer Engineering and Science, 2004, 44, 1676-1681.	3.1	102
54	Synthesis and characterization of polyaniline doped with organic acids. Journal of Polymer Science Part A, 2004, 42, 2043-2049.	2.3	120

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55	Comparative studies of chemically synthesized polyaniline and poly(o-toluidine) doped with p-toluene sulphonic acid. European Polymer Journal, 2004, 40, 379-384.	5.4	110
56	Scanning Electron Microscopy, Spectroscopy, and Thermal Studies of Polyaniline Doped with Various Sulfonic Acids. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1173-1186.	2.2	32
57	Studies on chemically synthesized soluble acrylic acid doped polyaniline. Materials Chemistry and Physics, 2002, 73, 106-110.	4.0	153
58	Poly(2,3-dimethylaniline) as a competent material for humidity sensor. Journal of Applied Polymer Science, 2001, 81, 1382-1387.	2.6	15
59	Polyaniline and its substituted derivatives as sensor for aliphatic alcohols. Sensors and Actuators B: Chemical, 2000, 67, 173-177.	7.8	156
60	Spectroscopic and electrochemical properties of poly(2,5 dimethyl aniline) films. Materials Chemistry and Physics, 1999, 60, 262-267.	4.0	18