Pravin P Ingole

List of Publications by Year
in descending order

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89	2,085	236925	276875
papers	citations	25 h-index	41 g-index

90	90	90	2625
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of Band Structure Parameters and the Quasiâ€Particle Gap of CdSe Quantum Dots by Cyclic Voltammetry. ChemPhysChem, 2008, 9, 2574-2579.	2.1	190
2	Challenges and prospects of metal sulfide materials for supercapacitors. Current Opinion in Electrochemistry, 2020, 21, 327-334.	4.8	161
3	Quantum Confinement in CdTe Quantum Dots: Investigation through Cyclic Voltammetry Supported by Density Functional Theory (DFT). Journal of Physical Chemistry C, 2011, 115, 6243-6249.	3.1	134
4	Exploring Bursteinâ€“Moss type effects in nickel doped hematite dendrite nanostructures for enhanced photo-electrochemical water splitting. Physical Chemistry Chemical Physics, 2019, 21, 20463-20477.	2.8	77
5	Electrosynthesis of Mn-Fe oxide nanopetals on carbon paper as bi-functional electrocatalyst for oxygen reduction and oxygen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 3165-3171.	7.1	61
6	BiVO₄ optimized to nano-worm morphology for enhanced activity towards photoelectrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 21207-21221.	10.3	60
7	Inâ€…Situ Solidâ€State Synthesis of a AgNi/gâ€C₃N₄ Nanocomposite for Enhanced Photoelectrochemical and Photocatalytic Activity. ChemSusChem, 2016, 9, 2816-2823.	6.8	53
8	Band Gap Bowing at Nanoscale: Investigation of CdS_xSe_{1â€“x} Alloy Quantum Dots through Cyclic Voltammetry and Density Functional Theory. Journal of Physical Chemistry C, 2013, 117, 7376-7383.	3.1	52
9	Probing the Mechanism of Fluorescence Quenching of QDs by Co(III)-Complexes: Size of QD and Nature of the Complex Both Dictate Energy and Electron Transfer Processes. Journal of Physical Chemistry C, 2015, 119, 22690-22699.	3.1	52
10	A high energy density and high rate capability flexible supercapacitor based on electro-spun highly porous SnO₂@carbon nanofibers. Journal of Materials Chemistry A, 2020, 8, 15110-15121.	10.3	52
11	Recent advancements in enhancement of photocatalytic activity using bismuth-based metal oxides Bi2MO6 (M = W, Mo, Cr) for environmental remediation and clean energy production. Journal of Industrial and Engineering Chemistry, 2021, 95, 1-15.	5.8	52
12	Development of Cuboidal KNbO₃@Î±-Fe₂O₃ Hybrid Nanostructures for Improved Photocatalytic and Photoelectrocatalytic Applications. ACS Omega, 2020, 5, 20491-20505.	3.5	47
13	Outer Sphere Electroreduction of CCl₄ in 1-Butyl-3-methylimmidazolium Tetrafluoroborate: An Example of Solvent Specific Effect of Ionic Liquid. Journal of Physical Chemistry B, 2009, 113, 2848-2853.	2.6	40
14	Facile Green Synthesis of BiOBr Nanostructures with Superior Visible-Light-Driven Photocatalytic Activity. Materials, 2018, 11, 1273.	2.9	39
15	Citrate-capped quantum dots of CdSe for the selective photometric detection of silver ions in aqueous solutions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 168, 60-65.	3.5	37
16	Self-assembled AuNPs on sulphur-doped graphene: a dual and highly efficient electrochemical sensor for nitrite (NO₂^{â^’}) and nitric oxide (NO). New Journal of Chemistry, 2017, 41, 8347-8358.	2.8	35
17	Highly efficient catalytic reductive degradation of Rhodamine-B over Palladium-reduced graphene oxide nanocomposite. Chemical Physics Letters, 2020, 754, 137724.	2.6	35
18	Enhanced photoelectrochemical performance of electrodeposited hematite films decorated with nanostructured NiMnO_x. RSC Advances, 2016, 6, 35239-35247.	3.6	34

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19	Layered vanadium oxide nanofibers as impressive electrocatalyst for hydrogen evolution reaction in acidic medium. Electrochimica Acta, 2019, 312, 89-99.	5.2	34
20	PdAg Bimetallic Nanoalloy-Decorated Graphene: A Nanohybrid with Unprecedented Electrocatalytic, Catalytic, and Sensing Activities. ACS Applied Materials & Interfaces, 2018, 10, 16376-16389.	8.0	32
21	Two-Dimensional Tungsten Oxide/Selenium Nanocomposite Fabricated for Flexible Supercapacitors with Higher Operational Voltage and Their Charge Storage Mechanism. ACS Applied Materials & Interfaces, 2021, 13, 8102-8119.	8.0	32
22	Understanding the efficient electrocatalytic activities of MoSe₂â€“Cu₂S nanoheterostructures. Journal of Materials Chemistry A, 2021, 9, 9837-9848.	10.3	31
23	In-Situ solid-state synthesis of 2D/2D interface between Ni/NiO hexagonal nanosheets supported on g-C3N4 for enhanced photo-electrochemical water splitting. International Journal of Hydrogen Energy, 2020, 45, 16060-16070.	7.1	30
24	Plant leaf extracts as photocatalytic activity tailoring agents for BiOCl towards environmental remediation. Ecotoxicology and Environmental Safety, 2018, 165, 357-366.	6.0	29
25	Biofabricated BiOI with enhanced photocatalytic activity under visible light irradiation. RSC Advances, 2018, 8, 29022-29030.	3.6	27
26	Sensitive electrochemical sensing of acetaminophen and hydroquinone over single-pot synthesized stabilizer free Ag/Ag-oxide-graphene nanocomposites. Journal of Electroanalytical Chemistry, 2016, 783, 280-287.	3.8	26
27	Polymer-Derived Electrospun Co₃O₄@C Porous Nanofiber Network for Flexible, High-Performance, and Stable Supercapacitors. ACS Applied Energy Materials, 2020, 3, 11002-11014.	5.1	24
28	Self electro-catalysis of hydroquinone on gold electrode in aqueous un-buffered media. Electrochemistry Communications, 2009, 11, 994-996.	4.7	23
29	Fermi level equilibration of Ag and Au plasmonic metal nanoparticles supported on graphene oxide. Physical Chemistry Chemical Physics, 2018, 20, 26719-26733.	2.8	22
30	MoSe₂/SnS Nanoheterostructures for Water Splitting. ACS Applied Nano Materials, 2022, 5, 4293-4304.	5.0	22
31	Mechanistic aspects of nitrate ion reduction on silverelectrode: estimation of Oâ€“NO₂^{â˜}bond dissociation energy using cyclic voltammetry. New Journal of Chemistry, 2009, 33, 207-210.	2.8	21
32	Nickel incorporated graphitic carbon nitride supported copper sulfide for efficient noble-metal-free photo-electrochemical water splitting. Electrochimica Acta, 2020, 357, 136798.	5.2	21
33	Oxides in silverâ€“graphene nanocomposites: electrochemical signatures and electrocatalytic implications. Analyst, The, 2015, 140, 5601-5608.	3.5	19
34	Enhancing the Photoelectrochemical Performance of a Hematite Dendrite/Graphitic Carbon Nitride Nanocomposite through Surface Modification with CoFeO_x. ChemPhotoChem, 2017, 1, 70-75.	3.0	19
35	Vitamin B12 functionalized N-Doped graphene: A promising electro-catalyst for hydrogen evolution and electro-oxidative sensing of H2O2. Electrochimica Acta, 2020, 337, 135730.	5.2	19
36	Au-nanoparticle loaded nickel-copper bimetallic MOF: An excellent catalyst for chemical degradation of Rhodamine B. Inorganic Chemistry Communication, 2020, 117, 107949.	3.9	19

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37	Phosphineâ€Free Bis(Pyrrolyl)pyridine Based NNNâ€Pincer Palladium(II) Complexes as Efficient Catalysts for Suzukiâ€Miyaura Crossâ€Coupling Reactions of Aryl Bromides in Aqueous Medium. ChemistrySelect, 2018, 3, 9469-9475.	1.5	17
38	A consolidated account of electrochemical determination of band structure parameters in IIâ€“VI semiconductor quantum dots: a tutorial review. Physical Chemistry Chemical Physics, 2019, 21, 4695-4716.	2.8	17
39	Facile Solidâ€State Synthesis of Ag/gâ€C₃N₄ Reinforced Graphene Oxide for Enhanced Electrocatalysis of Oxygen Reduction Reaction in Alkaline Fuel Cell. ChemistrySelect, 2017, 2, 8151-8157.	1.5	16
40	Multifunctional plasmonic Ag-hematite nano-dendrite electro-catalysts for methanol assisted water splitting: Synergism between silver nanoparticles and hematite dendrites. International Journal of Hydrogen Energy, 2018, 43, 1344-1354.	7.1	16
41	Dendritic copper microstructured electrodeposits for efficient and selective electrochemical reduction of carbon dioxide into C1 and C2 hydrocarbons. Journal of CO2 Utilization, 2020, 38, 385-397.	6.8	16
42	Evidence for formation of ion pair stabilized diiodomethane radical anion in 1-butyl-3-methylimidazolium tetrafluoroborate room temperature ionic liquid. Electrochimica Acta, 2012, 72, 18-22.	5.2	15
43	Probing the Crystal Structure, Compositionâ€Dependent Absolute Energy Levels, and Electrocatalytic Properties of Silver Indium Sulfide Nanostructures. ChemPhysChem, 2016, 17, 1195-1203.	2.1	15
44	Supercapacitor performance and charge storage mechanism of brannerite type CuV2O6/PANI nanocomposites synthesis with their theoretical aspects. Electrochimica Acta, 2022, 410, 140015.	5.2	15
45	Visible LED-light driven photocatalytic degradation of organochlorine pesticides (2,4-D & 2,4-DP) by Curcuma longa mediated bismuth vanadate. Journal of Cleaner Production, 2022, 367, 132923.	9.3	15
46	Room temperature synthesis of 1-hexanethiolate capped quantum dots, in Triton X-100 water-in-oil microemulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 337, 136-140.	4.7	14
47	Electro-deposited Pt₃Co on Carbon Fiber Paper as Nafion-Free Electrode for Enhanced Electro-catalytic Activity toward Oxygen Reduction Reaction. ACS Applied Energy Materials, 2019, 2, 6269-6279.	5.1	14
48	Copper/Cuprous Oxide Nanoparticles Decorated Reduced Graphene Oxide Sheets Based Platform for Bioâ€Electrochemical Sensing of Dopamine. ChemistrySelect, 2019, 4, 633-643.	1.5	13
49	Unprecedented Lower Over-potential for CO2 Electro-reduction on Copper oxide Anchored to Graphene Oxide Microstructures. Journal of CO2 Utilization, 2020, 39, 101178.	6.8	13
50	Metalâ€“organic framework functionalized sulphur doped graphene: a promising platform for selective and sensitive electrochemical sensing of acetaminophen, dopamine and H₂O₂. New Journal of Chemistry, 2022, 46, 1588-1600.	2.8	13
51	Colloidally synthesized defect-rich $$hbox {MoSe}_{2}$$ MoSe 2 nanosheets for superior catalytic activity. Bulletin of Materials Science, 2019, 42, 1.	1.7	12
52	Physical Barricading at the Nanoscale: Protecting Pyrite from Weathering toward Efficient and Stable Electrocatalysis of the Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 15584-15594.	6.7	12
53	n-Type Cu₂O/Î±-Fe₂O₃ Heterojunctions by Electrochemical Deposition: Tuning of Cu₂O Thickness for Maximum Photoelectrochemical Performance. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1551-1566.	2.8	11
54	Organic field effect transistors based on self-assembling core-modified peptidic polymers. Molecular Systems Design and Engineering, 2020, 5, 847-855.	3.4	10

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55	Rudimentary simple, single step fabrication of nano-flakes like AgCd alloy electro-catalyst for oxygen reduction reaction in alkaline fuel cell. Electrochimica Acta, 2016, 212, 122-129.	5.2	9
56	Quercetin-mediated 3-D hierarchical BiOI-Q and BiOI-Q-Ag nanostructures with enhanced photodegradation efficiency. Journal of Alloys and Compounds, 2021, 856, 156812.	5.5	9
57	Uniquely Designed Tungsten Oxide Nanopetal Decorated Electropsun PAN Nanofiber for a Flexible Supercapacitor with Ultrahigh Rate Capability and Cyclability. ACS Applied Energy Materials, 2022, 5, 1767-1780.	5.1	9
58	Strong metalâ€“support interaction in copper hexacyanoferrate nanocube decorated functionalized multiwall carbon nanotubes for enhanced bi-functional oxygen electrocatalytic activity and stability. Sustainable Energy and Fuels, 2022, 6, 1094-1107.	4.9	9
59	Unusual aspects of ionâ€pairing effects in room temperature ionic liquids. Journal of Physical Organic Chemistry, 2012, 25, 1243-1246.	1.9	8
60	Ionic Liquid Induced Enhancement in the Stickiness of Sticky Dissociative Electroreductive C Cl Bond Cleavage: A Key to Eco-Green Detoxification of Chloroacetonitrile. Electrochimica Acta, 2016, 222, 1128-1136.	5.2	8
61	Electrochemical reduction of CO₂to ethylene on Cu/Cu_xO-GO composites in aqueous solution. RSC Advances, 2020, 10, 17572-17581.	3.6	8
62	Transforming micelles into mixed micelles: a promising approach to tune the catalytic performance of imidazolium-based surface active ionic liquids toward degradation of rhodamine B. Physical Chemistry Chemical Physics, 2020, 22, 11337-11347.	2.8	8
63	Copper hexacyanoferrate/carbon nanostructure hybrids: electrochemically switched ion-exchange electrodes for the sustainable removal of cesium from water. Journal of Environmental Chemical Engineering, 2022, 10, 106918.	6.7	8
64	Enhancing the Photon Absorption and Charge Carrier Dynamics of BaSnO₃ Photoanodes via Intrinsic and Extrinsic Defects. Chemistry of Materials, 2022, 34, 4320-4335.	6.7	8
65	Probing Absolute Electronic Energy Levels in Hgâ€Doped CdTe Semiconductor Nanocrystals by Electrochemistry and Density Functional Theory. ChemPhysChem, 2016, 17, 244-252.	2.1	7
66	Anisotropic Plasmonic Copper/Copper Oxide Nanostructures by DC Electrophoretic Dissolution of Copper in Water for Plasmonic Sensing of Glucose. Journal of the Electrochemical Society, 2017, 164, B674-B680.	2.9	7
67	Mechanistic insight into the electrocatalytic performance of reduced graphene oxide supported palladium, silver and palladiumâ€“silver nanodeposits toward electro-dehalogenation of halocarbons in room temperature ionic liquids. Physical Chemistry Chemical Physics, 2020, 22, 16985-16997.	2.8	7
68	Unravelling the chemistry of catalyst surfaces and solvents towards Câ€“C bond formation through activation and electrochemical conversion of CO₂ into hydrocarbons over micro-structured dendritic copper. Sustainable Energy and Fuels, 2021, 6, 128-142.	4.9	7
69	Enhanced photocatalytic activity and easy recovery of visible light active MoSe₂/BiVO₄ heterojunction immobilized on Luffa cylindrica â€“ experimental and DFT study. Environmental Science: Nano, 2021, 8, 3028-3041.	4.3	6
70	Supersensitive Detection of Anions in Pure Organic and Aqueous Media by Amino Acid Conjugated Ellmanâ€™s Reagent. ACS Applied Bio Materials, 2021, 4, 2453-2464.	4.6	6
71	Efficient charge separation and improved photocatalytic activity in Type-II & Type-III heterojunction based multiple interfaces in BiOCl0.5Br0.5-Q: DFT and Experimental Insight. Chemosphere, 2022, 297, 134122.	8.2	6
72	Citrate-stabilized Q-CdSe seed-mediated synthesis of silver nanoparticles: The role of citrate moieties anchored to the Q-CdSe surface. Materials Research Express, 2016, 3, 035001.	1.6	5

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73	Extending the Absorption Limit of BiVO₄ Photoanodes with Hydrogen Sulfide Treatment. Solar Rrl, 2022, 6, .	5.8	5
74	Effect of Chemical Charging/Discharging on Plasmonic Behavior of Silver Metal Nanoparticles Prepared using Citrateâ€Stabilized Cadmium Selenide Quantum Dots. ChemPhysChem, 2016, 17, 3209-3216.	2.1	4
75	Exploiting the unique specialty of hydrazone functionality: Synthesis of a highly sensitive UVâ€“Vis active solvatochromic probe. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119154.	3.9	4
76	Electrochemical Investigations on Pd2+ plus Benzoquinone in Imidazolium-Based Room Temperature Ionic Liquids: A Step Towards Greener Wacker Catalysis. Electrocatalysis, 2013, 4, 154-158.	3.0	3
77	Towards Understanding the Solventâ€Dynamic Control of the Transport and Heterogeneous Electronâ€Transfer Processes in Ionic Liquids. ChemPhysChem, 2017, 18, 415-426.	2.1	3
78	Starâ€Shaped CuS Flat Nanoflakes Reinforced Ni(OH)₂ Nanosheets for Enhanced Capacitance. ChemistrySelect, 2018, 3, 11293-11301.	1.5	3
79	Aqueous micellar solutions of Imidazolium based surface active ionic liquids: Promising solvent systems to boost the electrocatalytic performance of Vitamin B12 toward eco-green electro-detoxification of halocarbons. Electrochimica Acta, 2021, 369, 137655.	5.2	3
80	Nano-spinel cobalt decorated sulphur doped graphene: an efficient and durable electrocatalyst for oxygen evolution reaction and non-enzymatic sensing of H₂O₂. New Journal of Chemistry, 2021, 45, 15544-15554.	2.8	3
81	Catalytic activity and stability of silver supported on multiwalled carbon nanotubes. International Journal of Nanotechnology, 2011, 8, 988.	0.2	2
82	Altering the Electrocatalytic Activity of Plasmonic Cu/Cu₂O Nanocomposites towards Water Splitting through Surface Functionalization with Various Amino Acids. ChemistrySelect, 2020, 5, 7049-7055.	1.5	2
83	Emerging Photocatalysts for Hydrogen Production. Green Chemistry and Sustainable Technology, 2022, , 647-671.	0.7	1
84	Surface active ionic liquid assisted metal-free electrocatalytic-carboxylation in aqueous phase: a sustainable approach for CO2 utilization paired with electro-detoxification of halocarbons. Green Chemistry, 2021, 23, 9992-10005.	9.0	1
85	Effect of Electrochemical Charge Injection on the Photoluminescence Properties of CdSe Quantum Dot Monolayers Anchored to Oxide Substrates. Zeitschrift Fur Physikalische Chemie, 2013, , 130311033635007.	2.8	0
86	Vitamin B12 Plus Graphene Based Bio-Electrocatalyst for Electroreduction of Halocarbons in 1-Butyl-3-Methylimidazolium Tetrafluoroborate: A Special Use of the Synergism between Graphene, Ionic Liquid and Vitamin B12. Russian Journal of Electrochemistry, 2021, 57, 214-227.	0.9	0
87	Optimizing hematite nanostructures for electrochemical and photoelectrochemical water splitting applications. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100455.	5.9	0
88	Electrocatalytic and Photo-catalytic Water Splitting. Green Chemistry and Sustainable Technology, 2022, , 673-699.	0.7	0
89	Environmental applications of ecofriendly nanophotocatalysts: toward green nanotechnology. , 2022, , 325-341.		0