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	Electrocatalytic and Photo-catalytic Water Splitting. Green Chemistry and Sustainable Technology, 2022, , 673-699.	0.7	0
2	Emerging Photocatalysts for Hydrogen Production. Green Chemistry and Sustainable Technology, 2022, , 647-671.	0.7	1
3	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
4	Environmental applications of ecofriendly nanophotocatalysts: toward green nanotechnology. , 2022, , 325-341.		0
5	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
6	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
7	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
8	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
9	MoSe₂/SnS Nanoheterostructures for Water Splitting. ACS Applied Nano Materials, 2022, 5, 4293-4304.	5.0	22
10	Extending the Absorption Limit of BiVO₄ Photoanodes with Hydrogen Sulfide Treatment. Solar Rrl, 2022, 6, .	5.8	5
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	Optimizing hematite nanostructures for electrochemical and photoelectrochemical water splitting applications. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100455.	5.9	0
23	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
24	Understanding the efficient electrocatalytic activities of MoSe₂â€“Cu₂S nanoheterostructures. Journal of Materials Chemistry A, 2021, 9, 9837-9848.	10.3	31
25	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
26	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
27	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
28	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
29	Development of Cuboidal KNbO₃@Î±-Fe₂O₃ Hybrid Nanostructures for Improved Photocatalytic and Photoelectrocatalytic Applications. ACS Omega, 2020, 5, 20491-20505.	3.5	47
30	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
31	Challenges and prospects of metal sulfide materials for supercapacitors. Current Opinion in Electrochemistry, 2020, 21, 327-334.	4.8	161
32	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
33	Electrochemical reduction of CO₂to ethylene on Cu/Cu_xO-GO composites in aqueous solution. RSC Advances, 2020, 10, 17572-17581.	3.6	8
34	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
35	Highly efficient catalytic reductive degradation of Rhodamine-B over Palladium-reduced graphene oxide nanocomposite. Chemical Physics Letters, 2020, 754, 137724.	2.6	35
36	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

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37	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
38	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
39	Organic field effect transistors based on self-assembling core-modified peptidic polymers. Molecular Systems Design and Engineering, 2020, 5, 847-855.	3.4	10
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	Layered vanadium oxide nanofibers as impressive electrocatalyst for hydrogen evolution reaction in acidic medium. Electrochimica Acta, 2019, 312, 89-99.	5.2	34
48	Colloidally synthesized defect-rich $$hbox {MoSe}_{2}$$ MoSe 2 nanosheets for superior catalytic activity. Bulletin of Materials Science, 2019, 42, 1.	1.7	12
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	Starâ€Shaped CuS Flat Nanoflakes Reinforced Ni(OH)₂ Nanosheets for Enhanced Capacitance. ChemistrySelect, 2018, 3, 11293-11301.	1.5	3
57	Plant leaf extracts as photocatalytic activity tailoring agents for BiOCl towards environmental remediation. Ecotoxicology and Environmental Safety, 2018, 165, 357-366.	6.0	29
58	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
59	Facile Green Synthesis of BiOBr Nanostructures with Superior Visible-Light-Driven Photocatalytic Activity. Materials, 2018, 11, 1273.	2.9	39
60	Biofabricated BiOI with enhanced photocatalytic activity under visible light irradiation. RSC Advances, 2018, 8, 29022-29030.	3.6	27
61	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
62	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
63	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
64	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
65	Self-assembled AuNPs on sulphur-doped graphene: a dual and highly efficient electrochemical sensor for nitrite (NO_2^-) and nitric oxide (NO). New Journal of Chemistry, 2017, 41, 8347-8358.	2.8	35
66	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
67	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
68	Enhanced photoelectrochemical performance of electrodeposited hematite films decorated with nanostructured NiMnO_x. RSC Advances, 2016, 6, 35239-35247.	3.6	34
69	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
70	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
71	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
72	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

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73	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
74	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
75	Oxides in silverâ€“graphene nanocomposites: electrochemical signatures and electrocatalytic implications. Analyst, The, 2015, 140, 5601-5608.	3.5	19
76	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
77	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
78	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
79	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
80	Unusual aspects of ionâ€pairing effects in room temperature ionic liquids. Journal of Physical Organic Chemistry, 2012, 25, 1243-1246.	1.9	8
81	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
82	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
83	Catalytic activity and stability of silver supported on multiwalled carbon nanotubes. International Journal of Nanotechnology, 2011, 8, 988.	0.2	2
84	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
85	Self electro-catalysis of hydroquinone on gold electrode in aqueous un-buffered media. Electrochemistry Communications, 2009, 11, 994-996.	4.7	23
86	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
87	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
88	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
89	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