

Kulamani Parida

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

458
papers

19,713
citations

72
h-index

111
g-index

486
ext. papers

23,301
ext. citations

5.9
avg, IF

7.92
L-index

#	Paper	IF	Citations
458	Valorization of Agricultural Wastes as Low-Cost Adsorbents Towards Efficient Removal of Aqueous Cr(VI) 2022 , 507-530		
457	Review on MXene/TiO ₂ nanohybrids for photocatalytic hydrogen production and pollutant degradations. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107211	6.8	7
456	Boosting sluggish photocatalytic hydrogen evolution through piezo-stimulated polarization: a critical review.. <i>Materials Horizons</i> , 2022 ,	14.4	2
455	Robust direct Z-scheme exciton transfer dynamics by architecting 3D BiOI MF-supported non-stoichiometric CuInS NC nanocomposite for co-catalyst-free photocatalytic hydrogen evolution.. <i>RSC Advances</i> , 2022 , 12, 1265-1277	3.7	1
454	MOF derived nano-materials: A recent progress in strategic fabrication, characterization and mechanistic insight towards divergent photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2022 , 456, 214392	23.2	6
453	Hydrolytically stable citrate capped FeO@UiO-66-NH MOF: A hetero-structure composite with enhanced activity towards Cr (VI) adsorption and photocatalytic H evolution. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 353-366	9.3	13
452	Engineering an oxygen-vacancy-mediated step-scheme charge carrier dynamic coupling WO ₃ /ZnFe ₂ O ₄ heterojunction for robust photo-Fenton-driven levofloxacin detoxification. <i>New Journal of Chemistry</i> , 2022 , 46, 5785-5798	3.6	1
451	Development of MgIn ₂ S ₄ Microflower-Embedded Exfoliated B-Doped g-C ₃ N ₄ Nanosheets: p-n Heterojunction Photocatalysts toward Photocatalytic Water Reduction and H ₂ O ₂ Production under Visible-Light Irradiation. <i>ACS Applied Energy Materials</i> , 2022 , 5, 2838-2852	6.1	2
450	A review on visible light driven spinel ferrite-g-C ₃ N ₄ photocatalytic systems with enhanced solar light utilization. <i>Journal of Molecular Liquids</i> , 2022 , 119105	6	3
449	Mechanistic insight the visible light driven hydrogen generation by plasmonic Au-Cu alloy mounted on TiO ₂ @B-doped g-C ₃ N ₄ heterojunction photocatalyst. <i>Journal of Alloys and Compounds</i> , 2022 , 909, 164754	5.7	1
448	Rationally designed TiC/N, S-TiO/g-CN ternary heterostructure with spatial charge separation for enhanced photocatalytic hydrogen evolution.. <i>Journal of Colloid and Interface Science</i> , 2022 , 621, 254-268	8.3	2
447	A Glimpse on the plethora of applications of prodigious material MXene. <i>Sustainable Materials and Technologies</i> , 2022 , e00439	5.3	0
446	BiFeO ₃ -Based Materials For Augmented Photoactivity 2022 , 167-216		0
445	Enhanced electrochemical performance of flexible asymmetric supercapacitor based on novel nanostructured activated fullerene anchored zinc cobaltite. <i>Journal of Alloys and Compounds</i> , 2022 , 165753	5.7	3
444	Energy band modulation in Cu _x P(x=3,1/2)/PbTiO ₃ via heterogeneous erection induced benign junction interface for enhanced photocatalytic H ₂ evolution. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 3893-3893	6.7	0
443	Facile fabrication of nano silver phosphate on B-doped g-C ₃ N ₄ : An excellent p-n heterojunction photocatalyst towards water oxidation and Cr (VI) reduction. <i>Journal of Alloys and Compounds</i> , 2021 , 898, 162853	5.7	3
442	A review on dimensionally controlled synthesis of g-C ₃ N ₄ and formation of an isotype heterojunction for photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2021 , 11, 7505-7524	5.5	1

441	ZnFeO@WO /Polypyrrole: An Efficient Ternary Photocatalytic System for Energy and Environmental Application. <i>ACS Omega</i> , 2021 , 6, 30401-30418	3.9	3
440	Recent Advances on Alloyed Quantum Dots for Photocatalytic Hydrogen Evolution: A Mini-Review. <i>Energy & Fuels</i> , 2021 , 35, 4670-4686	4.1	13
439	Exfoliated Boron Nitride (e-BN) Tailored Exfoliated Graphitic Carbon Nitride (e-CN): An Improved Visible Light Mediated Photocatalytic Approach towards TCH Degradation and H Evolution. <i>Inorganic Chemistry</i> , 2021 , 60, 5021-5033	5.1	21
438	Aggrandizing the Photoactivity of ZnO Nanorods toward N ₂ Reduction and H ₂ Evolution through Facile In Situ Coupling with NixPy. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6305-6317	8.3	10
437	Inter-MOF hybrid (IMOFH): A concise analysis on emerging core-shell based hierarchical and multifunctional nanoporous materials. <i>Coordination Chemistry Reviews</i> , 2021 , 434, 213786	23.2	15
436	An insight to band-bending mechanism of polypyrrole sensitized B-rGO/ZnFe ₂ O ₄ p-n heterostructure with dynamic charge transfer for photocatalytic applications. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	11
435	Recent advances in wireless photofixation of dinitrogen to ammonia under the ambient condition: A review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2021 , 47, 100402	16.4	6
434	Recent Progress in LDH@Graphene and Analogous Heterostructures for Highly Active and Stable Photocatalytic and Photoelectrochemical Water Splitting. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2211-2248	4.5	14
433	CdS QDs sensitized various Bi based semiconductors: A comparison study on clean energy production under visible light irradiation. <i>Materials Today: Proceedings</i> , 2021 , 35, 216-220	1.4	
432	Facile synthesis of fullerene modified ZnFe ₂ O ₄ composites towards photocatalytic H ₂ evolution under visible light irradiation. <i>Materials Today: Proceedings</i> , 2021 , 35, 203-206	1.4	4
431	Efficient perovskite titanate photocatalysts for oxygen evolution reactions. <i>Materials Today: Proceedings</i> , 2021 , 35, 133-136	1.4	1
430	Zr-based MOF: An enhanced photocatalytic application towards H ₂ evolution by consequence of functional group and LSPR effect. <i>Materials Today: Proceedings</i> , 2021 , 35, 198-202	1.4	1
429	An amine functionalized ZnCr LDH/MCM-41 nanocomposite as efficient visible light induced photocatalyst for Cr(VI) reduction. <i>Materials Today: Proceedings</i> , 2021 , 35, 252-257	1.4	1
428	Photo-catalytic H ₂ evolution over Au modified mesoporous g-C ₃ N ₄ . <i>Materials Today: Proceedings</i> , 2021 , 35, 247-251	1.4	0
427	Novel synthesis of boron nitride nanosheets from hexagonal boron nitride by modified aqueous phase bi-thermal exfoliation method. <i>Materials Today: Proceedings</i> , 2021 , 35, 239-242	1.4	3
426	Visible light responsive 2DCeO ₂ -CdSQDs binary hybrid towards photocatalytic degradation of phenol. <i>Materials Today: Proceedings</i> , 2021 , 35, 263-267	1.4	
425	Adsorption study of hexavalent chromium by porous and non-porous ZnFe ₂ O ₄ . <i>Materials Today: Proceedings</i> , 2021 , 35, 289-293	1.4	
424	Designing of a novel p-MoS ₂ @n-ZnIn ₂ S ₄ heterojunction based semiconducting photocatalyst towards photocatalytic HER. <i>Materials Today: Proceedings</i> , 2021 , 35, 268-274	1.4	2

423	Visible light active LaFeO ₃ nano perovskite-RGO-NiO composite for efficient H ₂ evolution by photocatalytic water splitting and textile dye degradation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104675	6.8	16
422	Comparison of NiFe-LDH based heterostructure material towards photocatalytic rhodamine B and phenol degradation with water splitting reactions. <i>Materials Today: Proceedings</i> , 2021 , 35, 243-246	1.4	3
421	Phosphorous, boron and sulfur doped g-C ₃ N ₄ nanosheet: Synthesis, characterization, and comparative study towards photocatalytic hydrogen generation. <i>Materials Today: Proceedings</i> , 2021 , 35, 258-262	1.4	5
420	Noble metal loaded ZnCr-LDH based hybrid material for Suzuki coupling reactions: A comparison study on heterogeneous catalysis with photo catalysis. <i>Materials Today: Proceedings</i> , 2021 , 35, 229-232	1.4	1
419	Superior photocatalytic performance of Co Al LDH in the race of metal incorporated LDH: A comparison study. <i>Materials Today: Proceedings</i> , 2021 , 35, 275-280	1.4	4
418	Calculation of relative fluorescence quantum yield and Urbach energy of colloidal CdS QDs in various easily accessible solvents. <i>Journal of Luminescence</i> , 2021 , 231, 117792	3.8	5
417	Recent advances in anion doped g-C ₃ N ₄ photocatalysts: A review. <i>Carbon</i> , 2021 , 172, 682-711	10.4	123
416	Functional facet isotype junction and semiconductor/r-GO minor Schottky barrier tailored InS@r-GO@(040/110)-BiVO ternary hybrid. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 519-537	9.3	11
415	A comparison study between novel ternary retrieval NiFe ₂ O ₄ @P-doped g-C ₃ N ₄ and Fe ₃ O ₄ @P-doped g-C ₃ N ₄ nanocomposite in the field of photocatalysis, H ₂ energy production and super capacitive property. <i>Materials Today: Proceedings</i> , 2021 , 35, 281-288	1.4	0
414	Discriminatory {040}-Reduction Facet/Ag Schottky Barrier Coupled {040/110}-BiVO@Ag@CoAl-LDH Z-Scheme Isotype Heterostructure. <i>Inorganic Chemistry</i> , 2021 , 60, 1698-1715	5.1	14
413	Orienting Z scheme charge transfer in graphitic carbon nitride-based systems for photocatalytic energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10039-10080	13	25
412	Recent progress on strategies for the preparation of 2D/2D MXene/g-C ₃ N ₄ nanocomposites for photocatalytic energy and environmental applications. <i>Catalysis Science and Technology</i> , 2021 , 11, 1222-1248	5.5	29
411	Facile construction of CoWO ₄ modified g-C ₃ N ₄ nanocomposites with enhanced photocatalytic activity under visible light irradiation. <i>Materials Today: Proceedings</i> , 2021 , 35, 193-197	1.4	1
410	Growth of macroporous TiO ₂ on B-doped g-C ₃ N ₄ nanosheets: a Z-scheme photocatalyst for H ₂ O ₂ production and phenol oxidation under visible light. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1489-1499	6.8	13
409	A review on g-C ₃ N ₄ /graphene nanocomposites: multifunctional roles of graphene in the nanohybrid photocatalyst toward photocatalytic applications. <i>Catalysis Science and Technology</i> , 2021 , 11, 6018-6040	5.5	3
408	Black titania an emerging photocatalyst: review highlighting the synthesis techniques and photocatalytic activity for hydrogen generation. <i>Nanoscale Advances</i> , 2021 , 3, 5487-5524	5.1	1
407	Highlights of the characterization techniques on inorganic, organic (COF) and hybrid (MOF) photocatalytic semiconductors. <i>Catalysis Science and Technology</i> , 2021 , 11, 392-415	5.5	14
406	Metal oxide integrated metal organic frameworks (MO@MOF): rational design, fabrication strategy, characterization and emerging photocatalytic applications. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1619-1636	6.8	23

405	One step towards the 1T/2H-MoS ₂ mixed phase: a journey from synthesis to application. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2143-2172	7.8	10
404	Cerium-Based Metal-Organic Framework Nanorods Nucleated on CeO ₂ Nanosheets for Photocatalytic N ₂ Fixation and Water Oxidation. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9635-9652	5.6	3
403	MgCr-LDH Nanoplatelets as Effective Oxidation Catalysts for Visible Light-Triggered Rhodamine B Degradation. <i>Catalysts</i> , 2021 , 11, 1072	4	1
402	Magnetite modified amino group based polymer nanocomposites towards efficient adsorptive detoxification of aqueous Cr (VI): A review. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116487	6	10
401	Systematic investigation on the charge storage behavior of GdCrO ₃ in aqueous electrolyte. <i>Journal of Energy Storage</i> , 2021 , 42, 103145	7.8	1
400	HERs in an acidic medium over MoS ₂ nanosheets: from fundamentals to synthesis and the recent progress. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 1952-1987	5.8	7
399	A review on vertical and lateral heterostructures of semiconducting 2D-MoS with other 2D materials: a feasible perspective for energy conversion. <i>Nanoscale</i> , 2021 , 13, 9908-9944	7.7	17
398	CdS QD Decorated LaFeO ₃ Nanosheets for Photocatalytic Application Under Visible Light Irradiation. <i>ChemistrySelect</i> , 2020 , 5, 6153-6161	1.8	3
397	Constructing a Novel Surfactant-free MoS ₂ Nanosheet Modified MgIn ₂ S ₄ Marigold Microflower: An Efficient Visible-Light Driven 2D-2D p-n Heterojunction Photocatalyst toward HER and pH Regulated NRR. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4848-4862	8.3	69
396	Novel Magnetic Retrievable Visible-Light-Driven Ternary FeO@NiFeO/Phosphorus-Doped g-CN Nanocomposite Photocatalyst with Significantly Enhanced Activity through a Double-Z-Scheme System. <i>Inorganic Chemistry</i> , 2020 , 59, 4255-4272	5.1	35
395	Architecting a Double Charge-Transfer Dynamics InS/BiVO n-n Isotype Heterojunction for Superior Photocatalytic Oxytetracycline Hydrochloride Degradation and Water Oxidation Reaction: Unveiling the Association of Physicochemical, Electrochemical, and Photocatalytic Properties. <i>ACS Omega</i> , 2020 , 5, 5270-5284	3.9	25
394	Efficient Photon Conversion via Double Charge Dynamics CeO-BiFeO p-n Heterojunction Photocatalyst Promising toward N Fixation and Phenol-Cr(VI) Detoxification. <i>Inorganic Chemistry</i> , 2020 , 59, 3856-3873	5.1	50
393	Bandgap engineering via boron and sulphur doped carbon modified anatase TiO ₂ : a visible light stimulated photocatalyst for photo-fixation of N ₂ and TCH degradation. <i>Nanoscale Advances</i> , 2020 , 2, 2004-2017	5.1	23
392	{040/110} Facet Isotype Heterojunctions with Monoclinic Scheelite BiVO. <i>Inorganic Chemistry</i> , 2020 , 59, 10328-10342	5.1	23
391	UiO-66-NH Metal-Organic Frameworks with Embedded MoS Nanoflakes for Visible-Light-Mediated H and O Evolution. <i>Inorganic Chemistry</i> , 2020 , 59, 9824-9837	5.1	52
390	Influence of secondary oxide phases in enhancing the photocatalytic properties of alkaline earth elements doped LaFeO ₃ nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 140, 109377	3.9	21
389	Adsorptive remediation of Cr (VI) from aqueous solution using cobalt ferrite: Kinetics and isotherm studies. <i>Materials Today: Proceedings</i> , 2020 , 30, 289-293	1.4	1
388	Organocatalytic Cascade Knoevenagel-Michael Addition Reactions: Direct Synthesis of Polysubstituted 2-Amino-4H-Chromene Derivatives. <i>Catalysis Letters</i> , 2020 , 150, 2331-2351	2.8	14

387	A type-II interband alignment heterojunction architecture of cobalt titanate integrated UiO-66-NH: A visible light mediated photocatalytic approach directed towards Norfloxacin degradation and green energy (Hydrogen) evolution. <i>Journal of Colloid and Interface Science</i> , 2020 , 568, 89-105	9.3	61
386	A review on TiO ₂ /g-C ₃ N ₄ visible-light- responsive photocatalysts for sustainable energy generation and environmental remediation. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103896	6.8	97
385	Photo-/Electro-catalytic Applications of Visible Light-Responsive Porous Graphitic Carbon Nitride Toward Environmental Remediation and Solar Energy Conversion. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 211-246	0.8	0
384	Resurrection of boron nitride in p-n type-II boron nitride/B-doped-g-CN nanocomposite during solid-state Z-scheme charge transfer path for the degradation of tetracycline hydrochloride. <i>Journal of Colloid and Interface Science</i> , 2020 , 566, 211-223	9.3	77
383	Enhanced photocatalytic activities of polypyrrole sensitized zinc ferrite/graphitic carbon nitride n-n heterojunction towards ciprofloxacin degradation, hydrogen evolution and antibacterial studies. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 551-567	9.3	79
382	CdS QDs modified BiOI/Bi ₂ MoO ₆ nanocomposite for degradation of quinolone and tetracycline types of antibiotics towards environmental remediation. <i>Separation and Purification Technology</i> , 2020 , 253, 117523	8.3	28
381	Quantification of boron contents in BN/BCN composites by prompt gamma-ray neutron activation analysis utilizing thermal neutron beam at Dhruva reactor. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020 , 325, 977-982	1.5	
380	Dynamic charge transfer through Fermi level equilibration in the p-CuFe ₂ O ₄ /n-NiAl LDH interface towards photocatalytic application. <i>Catalysis Science and Technology</i> , 2020 , 10, 6285-6298	5.5	12
379	Superactive NiFe-LDH/graphene nanocomposites as competent catalysts for water splitting reactions. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3805-3836	6.8	27
378	Facile Synthesis and Synergetic Interaction of VPO/β-SiC Composites toward Solvent-Free Oxidation of Methanol to Formaldehyde. <i>ACS Omega</i> , 2020 , 5, 22808-22815	3.9	2
377	Recent advances in phase, size, and morphology-oriented nanostructured nickel phosphide for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19196-19245	13	79
376	Double charge carrier mechanism through 2D/2D interface-assisted ultrafast water reduction and antibiotic degradation over architectural S,P co-doped g-C ₃ N ₄ /ZnCr LDH photocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3695-3717	6.8	34
375	Visible light driven LaFeO ₃ nano sphere/RGO composite photocatalysts for efficient water decomposition reaction. <i>Catalysis Today</i> , 2020 , 353, 220-231	5.3	33
374	Bimetallic co-effect of Au-Pd alloyed nanoparticles on mesoporous silica modified g-CN for single and simultaneous photocatalytic oxidation of phenol and reduction of hexavalent chromium. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 519-535	9.3	39
373	A Mechanistic Approach on Oxygen Vacancy-Engineered CeO Nanosheets Concocts over an Oyster Shell Manifesting Robust Photocatalytic Activity toward Water Oxidation. <i>ACS Omega</i> , 2020 , 5, 9789-9805	3.9	15
372	MoS ₂ -mesoporous LaFeO ₃ hybrid photocatalyst: Highly efficient visible-light driven photocatalyst. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 11502-11511	6.7	15
371	Serendipitous Assembly of Mixed Phase BiVO on B-Doped g-CN: An Appropriate p-n Heterojunction for Photocatalytic O evolution and Cr(VI) reduction. <i>Inorganic Chemistry</i> , 2019 , 58, 12480-12491	5.1	55
370	Construction of a Z-Scheme Dictated WO ₃ /Ag/ZnCr LDH Synergistically Visible Light-Induced Photocatalyst towards Tetracycline Degradation and H Evolution. <i>ACS Omega</i> , 2019 , 4, 14721-14741	3.9	74

369	Facile synthesis of ZnFeO@RGO nanocomposites towards photocatalytic ciprofloxacin degradation and H ₂ energy production. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 667-679	9.3	51
368	An overview of recent progress on noble metal modified magnetic Fe ₃ O ₄ for photocatalytic pollutant degradation and H ₂ evolution. <i>Catalysis Science and Technology</i> , 2019 , 9, 916-941	5.5	60
367	Fabrication of a Au-loaded CaFe ₂ O ₄ /CoAl LDH p-n junction based architecture with stoichiometric H ₂ & O ₂ generation and Cr(VI) reduction under visible light. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 94-109	6.8	51
366	Enhanced Photocatalytic Activities of RhB Degradation and H ₂ Evolution from in Situ Formation of the Electrostatic Heterostructure MoS ₂ /NiFe LDH Nanocomposite through the Z-Scheme Mechanism via p-n Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20923-20942	9.5	133
365	Influence of Au/Pd alloy on an amine functionalised ZnCr LDH/MCM-41 nanocomposite: A visible light sensitive photocatalyst towards one-pot imine synthesis. <i>Catalysis Science and Technology</i> , 2019 , 9, 2493-2513	5.5	23
364	Facile construction of a novel NiFe ₂ O ₄ @P-doped g-C ₃ N ₄ nanocomposite with enhanced visible-light-driven photocatalytic activity. <i>Nanoscale Advances</i> , 2019 , 1, 1864-1879	5.1	43
363	HPW-Anchored UiO-66 Metal-Organic Framework: A Promising Photocatalyst Effective toward Tetracycline Hydrochloride Degradation and H ₂ Evolution via Z-Scheme Charge Dynamics. <i>Inorganic Chemistry</i> , 2019 , 58, 4921-4934	5.1	72
362	Phosphide protected FeS ₂ anchored oxygen defect oriented CeO ₂ /NS based ternary hybrid for electrocatalytic and photocatalytic N ₂ reduction to NH ₃ . <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9145-9153	13.53	50
361	A bimetallic Au/Ag nanoalloy mounted LDH/RGO nanocomposite: a promising catalyst effective towards a coupled system for the photoredox reactions converting benzyl alcohol to benzaldehyde and nitrobenzene to aniline under visible light. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7614-7627	13	35
360	ZnFe ₂ O ₄ -Decorated Mesoporous Al ₂ O ₃ Modified MCM-41: A Solar-Light-Active Photocatalyst for the Effective Removal of Phenol and Cr (VI) from Water. <i>ChemistrySelect</i> , 2019 , 4, 1806-1819	1.8	17
359	Synergistic ZnFeO-carbon allotropes nanocomposite photocatalyst for norfloxacin degradation and Cr (VI) reduction. <i>Journal of Colloid and Interface Science</i> , 2019 , 544, 96-111	9.3	68
358	A plasmonic AuPd bimetallic nanoalloy decorated over a GO/LDH hybrid nanocomposite via a green synthesis route for robust Suzuki coupling reactions: a paradigm shift towards a sustainable future. <i>Catalysis Science and Technology</i> , 2019 , 9, 4678-4692	5.5	35
357	Stupendous Photocatalytic Activity of p-BiOI/n-PbTiO ₃ Heterojunction: The Significant Role of Oxygen Vacancies and Interface Coupling. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21593-21606	3.8	28
356	Construction of surfactant/polymer/copolymer-templated mesoporous reduced graphene oxide nanoparticles for adsorption applications. <i>Graphene Technology</i> , 2019 , 4, 53-59	1.8	2
355	One-Pot-Architected Au-Nanodot-Promoted MoS ₂ /ZnInS: A Novel p-n Heterojunction Photocatalyst for Enhanced Hydrogen Production and Phenol Degradation. <i>Inorganic Chemistry</i> , 2019 , 58, 9941-9955	5.1	65
354	Construction of M-BiVO ₄ /T-BiVO ₄ isotype heterojunction for enhanced photocatalytic degradation of Norfloxacin and Oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 278-295	9.3	56
353	Rational Design of a Coupled Confronting Z-Scheme System Toward Photocatalytic Refractory Pollutant Degradation and Water Splitting Reaction. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900370	4.6	26
352	Surface-Plasmon-Resonance-Induced Photocatalysis by Core-Shell SiO ₂ @Ag NCs@AgPO toward Water-Splitting and Phenol Oxidation Reactions. <i>Inorganic Chemistry</i> , 2019 , 58, 9643-9654	5.1	26

351	Construction of Isoenergetic Band Alignment between CdS QDs and CaFe ₂ O ₄ @ZnFe ₂ O ₄ Heterojunction: A Promising Ternary Hybrid toward Norfloxacin Degradation and H ₂ Energy Production. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17112-17126	3.8	35
350	Green exfoliation of graphitic carbon nitride towards decolourization of Congo-Red under solar irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103456	6.8	24
349	La ₂ Ti ₂ O ₇ As Nanometric Electrode Material: An Emerging Candidate For Supercapacitor Performance. <i>ChemistrySelect</i> , 2019 , 4, 12037-12042	1.8	3
348	Adsorptive removal of Cr(VI) onto UiO-66-NH ₂ and its determination by radioanalytical techniques. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019 , 322, 983-992	1.5	14
347	Deciphering Z-scheme Charge Transfer Dynamics in Heterostructure NiFe-LDH/N-rGO/g-CN Nanocomposite for Photocatalytic Pollutant Removal and Water Splitting Reactions. <i>Scientific Reports</i> , 2019 , 9, 2458	4.9	94
346	Constructive Interfacial Charge Carrier Separation of a p-CaFeO@n-ZnFeO Heterojunction Architect Photocatalyst toward Photodegradation of Antibiotics. <i>Inorganic Chemistry</i> , 2019 , 58, 16592-16608	5.1	38
345	An energy band compactable B-rGO/PbTiO ₃ p-n junction: a highly dynamic and durable photocatalyst for enhanced photocatalytic H ₂ evolution. <i>Nanoscale</i> , 2019 , 11, 22328-22342	7.7	42
344	The fabrication of Au/Pd plasmonic alloys on UiO-66-NH ₂ : an efficient visible light-induced photocatalyst towards the Suzuki Miyaura coupling reaction under ambient conditions. <i>Catalysis Science and Technology</i> , 2019 , 9, 6585-6597	5.5	41
343	Facile synthesis of exfoliated graphitic carbon nitride for photocatalytic degradation of ciprofloxacin under solar irradiation. <i>Journal of Materials Science</i> , 2019 , 54, 5726-5742	4.3	57
342	Quantum confinement chemistry of CdS QDs plus hot electron of Au over TiO ₂ nanowire protruding to be encouraging photocatalyst towards nitrophenol conversion and ciprofloxacin degradation. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102821	6.8	23
341	Bio-surfactant assisted solvothermal synthesis of Magnetic retrievable Fe ₃ O ₄ @rGO nanocomposite for photocatalytic reduction of 2-nitrophenol and degradation of TCH under visible light illumination. <i>Applied Surface Science</i> , 2019 , 466, 679-690	6.7	28
340	Synergistic effects of plasmon induced Ag@Ag ₃ VO ₄ /ZnCr LDH ternary heterostructures towards visible light responsive O ₂ evolution and phenol oxidation reactions. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 879-896	6.8	60
339	Highly efficient charge transfer through a double Z-scheme mechanism by a Cu-promoted MoO ₃ /g-CN hybrid nanocomposite with superior electrochemical and photocatalytic performance. <i>Nanoscale</i> , 2018 , 10, 5950-5964	7.7	157
338	Kinetics, Isotherm, and Thermodynamic Study for Ultrafast Adsorption of Azo Dye by an Efficient Sorbent: Ternary Mg/(Al + Fe) Layered Double Hydroxides. <i>ACS Omega</i> , 2018 , 3, 2532-2545	3.9	35
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