Kulamani Parida

List of Publications by Citations

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	A review on the recent progress, challenges and perspective of layered double hydroxides as promising photocatalysts. *Journal of Materials Chemistry A*, **2016**, 4, 10744-10766	13	420
457	Adsorption of phosphate by layered double hydroxides in aqueous solutions. *Applied Clay Science*, **2006**, 32, 252-260	5.2	371
456	Facile synthesis of highly active g-C3N4 for efficient hydrogen production under visible light. *Journal of Materials Chemistry A*, **2013**, 1, 7816	13	363
455	Visible light-driven novel g-C3N4/NiFe-LDH composite photocatalyst with enhanced photocatalytic activity towards water oxidation and reduction reaction. *Journal of Materials Chemistry A*, **2015**, 3, 18622-18635	13	356
454	Fabrication of □Fe2O3 nanorod/RGO composite: a novel hybrid photocatalyst for phenol degradation. *ACS Applied Materials & Interfaces*, **2013**, 5, 9101-10	9.5	262
453	Carbonate intercalated Zn/Fe layered double hydroxide: A novel photocatalyst for the enhanced photo degradation of azo dyes. *Chemical Engineering Journal*, **2012**, 179, 131-139	14.7	257
452	Fabrication of nanocrystalline LaFeO3: An efficient sol□gel auto-combustion assisted visible light responsive photocatalyst for water decomposition. *International Journal of Hydrogen Energy*, **2010**, 35, 12161-12168	6.7	255
451	Physicochemical characterization and adsorption behavior of calcined Zn/Al hydrotalcite-like compound (HTlc) towards removal of fluoride from aqueous solution. *Journal of Colloid and Interface Science*, **2003**, 261, 213-20	9.3	231
450	An overview of the structural, textural and morphological modulations of g-C3N4 towards photocatalytic hydrogen production. *RSC Advances*, **2016**, 6, 46929-46951	3.7	205
449	Fabrication of novel p-BiOI/n-ZnTiO3 heterojunction for degradation of rhodamine 6G under visible light irradiation. *Inorganic Chemistry*, **2013**, 52, 6390-401	5.1	203
448	Visible light induced photocatalytic activity of rare earth titania nanocomposites. *Journal of Molecular Catalysis A*, **2008**, 287, 151-158		181
447	Facile fabrication of □FeOOH nanorod/RGO composite: a robust photocatalyst for reduction of Cr(VI) under visible light irradiation. *Journal of Materials Chemistry A*, **2014**, 2, 10300-10312	13	177
446	Green Synthesis of Fe3O4/RGO Nanocomposite with Enhanced Photocatalytic Performance for Cr(VI) Reduction, Phenol Degradation, and Antibacterial Activity. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 10551-10562	8.3	168
445	An overview of the modification of g-C3N4 with high carbon containing materials for photocatalytic applications. *Inorganic Chemistry Frontiers*, **2016**, 3, 336-347	6.8	168
444	Synthesis and characterization of nano-sized porous gamma-alumina by control precipitation method. *Materials Chemistry and Physics*, **2009**, 113, 244-248	4.4	168
443	Design and development of a visible light harvesting Ni□Zn/Cr□O32□LDH system for hydrogen evolution. *Journal of Materials Chemistry A*, **2013**, 1, 4236	13	162
442	Fabrication, growth mechanism, and characterization of □Fe(2)O(3) nanorods. *ACS Applied Materials & Interfaces*, **2011**, 3, 317-23	9.5	159

441	Highly efficient charge transfer through a double Z-scheme mechanism by a Cu-promoted MoO/g-CN hybrid nanocomposite with superior electrochemical and photocatalytic performance. *Nanoscale*, **2018**, 10, 5950-5964	7.7	157
440	An overview on Ag modified g-C3N4 based nanostructured materials for energy and environmental applications. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 1297-1312	16.2	156
439	Facile Synthesis of N- and S-Incorporated Nanocrystalline TiO2 and Direct Solar-Light-Driven Photocatalytic Activity. *Journal of Physical Chemistry C*, **2010**, 114, 19473-19482	3.8	152
438	Molybdate/Tungstate Intercalated Oxo-Bridged Zn/Y LDH for Solar Light Induced Photodegradation of Organic Pollutants. *Journal of Physical Chemistry C*, **2012**, 116, 13063-13070	3.8	143
437	Photocatalytic reduction of hexavalent chromium in aqueous solution over sulphate modified titania. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 170, 189-194	4.7	141
436	Amine functionalized MCM-41: An active and reusable catalyst for Knoevenagel condensation reaction. *Journal of Molecular Catalysis A*, **2009**, 310, 93-100		140
435	Enhanced Photocatalytic Activities of RhB Degradation and H Evolution from in Situ Formation of the Electrostatic Heterostructure MoS/NiFe LDH Nanocomposite through the Z-Scheme Mechanism via p-n Heterojunctions. *ACS Applied Materials & Interfaces*, **2019**, 11, 20923-20942	9.5	133
434	Physico-chemical characterization and photocatalytic activity of zinc oxide prepared by various methods. *Journal of Colloid and Interface Science*, **2006**, 298, 787-93	9.3	132
433	Studies on MnO2 Chemical composition, microstructure and other characteristics of some synthetic MnO2 of various crystalline modifications. *Electrochimica Acta*, **1981**, 26, 435-443	6.7	132
432	Incorporation of Fe3+ into Mg/Al layered double hydroxide framework: effects on textural properties and photocatalytic activity for H2 generation. *Journal of Materials Chemistry*, **2012**, 22, 7350		129
431	Recent advances in anion doped g-C3N4 photocatalysts: A review. *Carbon*, **2021**, 172, 682-711	10.4	123
430	Dynamics of Charge-Transfer Behavior in a Plasmon-Induced Quasi-Type-II p-n/n-n Dual Heterojunction in Ag@AgPO/g-CN/NiFe LDH Nanocomposites for Photocatalytic Cr(VI) Reduction and Phenol Oxidation. *ACS Omega*, **2018**, 3, 7324-7343	3.9	122
429	Enhanced photo catalytic reduction of Cr (VI) over polymer-sensitized g-C3N4/ZnFe2O4 and its synergism with phenol oxidation under visible light irradiation. *Catalysis Today*, **2018**, 315, 52-66	5.3	120
428	Effect of Co2+ Substitution in the Framework of Carbonate Intercalated Cu/Cr LDH on Structural, Electronic, Optical, and Photocatalytic Properties. *Journal of Physical Chemistry C*, **2012**, 116, 22417-22424	3.8	120
427	Modification of BiOI Microplates with CdS QDs for Enhancing Stability, Optical Property, Electronic Behavior toward Rhodamine B Decolorization, and Photocatalytic Hydrogen Evolution. *Journal of Physical Chemistry C*, **2017**, 121, 4834-4849	3.8	118
426	An overview on visible light responsive metal oxide based photocatalysts for hydrogen energy production. *RSC Advances*, **2015**, 5, 61535-61553	3.7	117
425	A facile in situ approach to fabricate N,S-TiO2/g-C3N4 nanocomposite with excellent activity for visible light induced water splitting for hydrogen evolution. *Physical Chemistry Chemical Physics*, **2015**, 17, 8070-7	3.6	115
424	Effects of Co, Ni, Cu, and Zn on Photophysical and Photocatalytic Properties of Carbonate Intercalated MII/Cr LDHs for Enhanced Photodegradation of Methyl Orange. *Industrial & Engineering Chemistry Research*, **2014**, 53, 3834-3841	3.9	113

423	Fabrication of a Co(OH)/ZnCr LDH "p-n" Heterojunction Photocatalyst with Enhanced Separation of Charge Carriers for Efficient Visible-Light-Driven H and O Evolution. *Inorganic Chemistry*, **2018**, 57, 3840-3854	5.1	111
422	ZnCr layered double hydroxide: Visible light responsive photocatalyst for photocatalytic degradation of organic pollutants. *Separation and Purification Technology*, **2012**, 91, 73-80	8.3	111
421	Studies on MnO2II. The kinetics and the mechanism for the catalytic decomposition of H2O2 over different crystalline modifications of MnO2. *Electrochimica Acta*, **1981**, 26, 1157-1167	6.7	111
420	Recent progress in the development of carbonate-intercalated Zn/Cr LDH as a novel photocatalyst for hydrogen evolution aimed at the utilization of solar light. *Dalton Transactions*, **2012**, 41, 1173-8	4.3	110
419	Fabrication of In2O3 modified ZnO for enhancing stability, optical behaviour, electronic properties and photocatalytic activity for hydrogen production under visible light. *Journal of Materials Chemistry A*, **2014**, 2, 3621	13	109
418	Preparation, characterization, and photocatalytic activity of sulfate-modified titania for degradation of methyl orange under visible light. *Journal of Colloid and Interface Science*, **2008**, 318, 231-7	9.3	108
417	Photocatalytic degradation of phenol under solar radiation using microwave irradiated zinc oxide. *Solar Energy*, **2006**, 80, 1048-1054	6.8	107
416	The effect of sulfate pre-treatment to improve the deposition of Au-nanoparticles in a gold-modified sulfated g-CN plasmonic photocatalyst towards visible light induced water reduction reaction. *Physical Chemistry Chemical Physics*, **2016**, 18, 28502-28514	3.6	103
415	Studies on Ferric Oxide Hydroxides. *Journal of Colloid and Interface Science*, **1997**, 185, 355-62	9.3	100
414	Synergistic Effects of Boron and Sulfur Co-doping into Graphitic Carbon Nitride Framework for Enhanced Photocatalytic Activity in Visible Light Driven Hydrogen Generation. *ACS Applied Energy Materials*, **2018**, 1, 5936-5947	6.1	98
413	A review on TiO2/g-C3N4 visible-light- responsive photocatalysts for sustainable energy generation and environmental remediation. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103896	6.8	97
412	Facile synthesis of visible light responsive V2O5/N,STiO2 composite photocatalyst: enhanced hydrogen production and phenol degradation. *Journal of Materials Chemistry*, **2012**, 22, 10695		94
411	Deciphering Z-scheme Charge Transfer Dynamics in Heterostructure NiFe-LDH/N-rGO/g-CN Nanocomposite for Photocatalytic Pollutant Removal and Water Splitting Reactions. *Scientific Reports*, **2019**, 9, 2458	4.9	94
410	Synthesis of mesoporous TiO(2-x)N(x) spheres by template free homogeneous co-precipitation method and their photo-catalytic activity under visible light illumination. *Journal of Colloid and Interface Science*, **2009**, 333, 269-76	9.3	93
409	Coupling of Crumpled-Type Novel MoS with CeO Nanoparticles: A Noble-Metal-Free p-n Heterojunction Composite for Visible Light Photocatalytic H Production. *ACS Omega*, **2017**, 2, 3745-3753	3.9	90
408	Structural properties and catalytic oxidation of benzene to phenol over CuO-impregnated mesoporous silica. *Applied Catalysis A: General*, **2007**, 321, 101-108	5.1	89
407	Adsorption of toxic metal ion Cr(VI) from aqueous state by TiO2-MCM-41: equilibrium and kinetic studies. *Journal of Hazardous Materials*, **2012**, 241-242, 395-403	12.8	88
406	Facile fabrication of Bi2O3/TiO2-xNx nanocomposites for excellent visible light driven photocatalytic hydrogen evolution. *International Journal of Hydrogen Energy*, **2011**, 36, 2794-2802	6.7	87

405	Liquid phase catalytic oxidation of benzyl alcohol to benzaldehyde over vanadium phosphate catalyst. *Applied Catalysis A: General*, **2012**, 413-414, 245-253	5.1	84
404	Photocatalytic reduction of hexavalent chromium in aqueous solution over titania pillared zirconium phosphate and titanium phosphate under solar radiation. *Journal of Molecular Catalysis A* , **2006**, 245, 217-224		84
403	Methane emission from flooded rice fields under irrigated conditions. *Biology and Fertility of Soils*, **1994**, 18, 245-248	6.1	84
402	Facile Synthesis of CeO2 Nanosheets Decorated upon BiOI Microplate: A Surface Oxygen Vacancy Promoted Z-Scheme-Based 2D-2D Nanocomposite Photocatalyst with Enhanced Photocatalytic Activity. *Journal of Physical Chemistry C*, **2018**, 122, 808-819	3.8	83
401	A facile method for synthesis of amine-functionalized mesoporous zirconia and its catalytic evaluation in Knoevenagel condensation. *Applied Catalysis A: General*, **2010**, 381, 226-232	5.1	81
400	Studies on Mg/Fe hydrotalcite-like-compound (HTlc) I. Removal of inorganic selenite (SeO3(2-)) from aqueous medium. *Journal of Colloid and Interface Science*, **2002**, 251, 26-32	9.3	81
399	Mg/Al hydrotalcites: preparation, characterisation and ketonisation of acetic acid. *Journal of Molecular Catalysis A*, **2000**, 151, 185-192		81
398	Fabrication of Hierarchical Two-Dimensional MoS Nanoflowers Decorated upon Cubic CaInS Microflowers: Facile Approach To Construct Novel Metal-Free p-n Heterojunction Semiconductors with Superior Charge Separation Efficiency. *Inorganic Chemistry*, **2018**, 57, 10059-10071	5.1	79
397	Plasmon induced nano Au particle decorated over S,N-modified TiO(2) for exceptional photocatalytic hydrogen evolution under visible light. *ACS Applied Materials & Interfaces*, **2014**, 6, 839-46	9.5	79
396	Enhanced photocatalytic activities of polypyrrole sensitized zinc ferrite/graphitic carbon nitride n-n heterojunction towards ciprofloxacin degradation, hydrogen evolution and antibacterial studies. *Journal of Colloid and Interface Science*, **2020**, 561, 551-567	9.3	79
395	Recent advances in phase, size, and morphology-oriented nanostructured nickel phosphide for overall water splitting. *Journal of Materials Chemistry A*, **2020**, 8, 19196-19245	13	79
394	Visible-light driven Gd2Ti2O7/GdCrO3 composite for hydrogen evolution. *Dalton Transactions*, **2011**, 40, 12839-45	4.3	78
393	Synthesis, characterization, and catalytic activity of phosphomolybdic acid supported on hydrous zirconia. *Journal of Colloid and Interface Science*, **2006**, 300, 237-43	9.3	77
392	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. *Journal of Colloid and Interface Science*, **2020**, 566, 211-223	9.3	77
391	A mechanistic approach towards the photocatalytic organic transformations over functionalised metal organic frameworks: a review. *Catalysis Science and Technology*, **2018**, 8, 679-696	5.5	77
390	Quantum dots as enhancer in photocatalytic hydrogen evolution: A review. *International Journal of Hydrogen Energy*, **2017**, 42, 9467-9481	6.7	76
389	Amine functionalized K10 montmorillonite: a solid acid-base catalyst for the Knoevenagel condensation reaction. *Dalton Transactions*, **2013**, 42, 5122-9	4.3	76
388	Construction of a Z-Scheme Dictated WO /Ag/ZnCr LDH Synergistically Visible Light-Induced Photocatalyst towards Tetracycline Degradation and H Evolution. *ACS Omega*, **2019**, 4, 14721-14741	3.9	74

387	Synthesis of multifunctional nanostructured zinc-iron mixed oxide photocatalyst by a simple solution-combustion technique. *ACS Applied Materials & Interfaces*, **2012**, 4, 707-13	9.5	74
386	HPW-Anchored UiO-66 Metal-Organic Framework: A Promising Photocatalyst Effective toward Tetracycline Hydrochloride Degradation and H Evolution via Z-Scheme Charge Dynamics. *Inorganic Chemistry*, **2019**, 58, 4921-4934	5.1	72
385	Nanostructured CeO2/MgAl-LDH composite for visible light induced water reduction reaction. *International Journal of Hydrogen Energy*, **2016**, 41, 21166-21180	6.7	72
384	Dramatic activities of vanadate intercalated bismuth doped LDH for solar light photocatalysis. *Physical Chemistry Chemical Physics*, **2014**, 16, 16985-96	3.6	72
383	Green synthesis of Au/TiO2 for effective dye degradation in aqueous system. *Chemical Engineering Journal*, **2013**, 229, 492-497	14.7	70
382	Manganese containing MCM-41: Synthesis, characterization and catalytic activity in the oxidation of ethylbenzene. *Journal of Molecular Catalysis A*, **2009**, 306, 54-61		70
381	Calcined Mg-Fe-CO(3) LDH as an adsorbent for the removal of selenite. *Journal of Colloid and Interface Science*, **2007**, 316, 216-23	9.3	70
380	Constructing a Novel Surfactant-free MoS2 Nanosheet Modified MgIn2S4 Marigold Microflower: An Efficient Visible-Light Driven 2D-2D p-n Heterojunction Photocatalyst toward HER and pH Regulated NRR. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4848-4862	8.3	69
379	Efficient hydrogen production by composite photocatalyst CdS□ZnS/Zirconium□titanium phosphate (ZTP) under visible light illumination. *International Journal of Hydrogen Energy*, **2011**, 36, 13452-13460	6.7	69
378	Silicotungstic acid supported zirconia: An effective catalyst for esterification reaction. *Journal of Molecular Catalysis A*, **2007**, 275, 77-83		69
377	Structural properties and catalytic activity of Mn-MCM-41 mesoporous molecular sieves for single-step amination of benzene to aniline. *Applied Catalysis A: General*, **2008**, 351, 59-67	5.1	69
376	Fabrication of mesoporous CuO/ZrO2-MCM-41 nanocomposites for photocatalytic reduction of Cr(VI). *Chemical Engineering Journal*, **2017**, 316, 1122-1135	14.7	68
375	The enhanced photocatalytic activity of g-C3N4-LaFeO3 for the water reduction reaction through a mediator free Z-scheme mechanism. *Inorganic Chemistry Frontiers*, **2017**, 4, 1022-1032	6.8	68
374	Synergistic ZnFeO-carbon allotropes nanocomposite photocatalyst for norfloxacin degradation and Cr (VI) reduction. *Journal of Colloid and Interface Science*, **2019**, 544, 96-111	9.3	68
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371	Synthesis, characterisation and catalytic evaluation of iron□manganese mixed oxide pillared clay for VOC decomposition reaction. *Applied Catalysis B: Environmental*, **2008**, 79, 279-285	21.8	68
370	Preparation and characterization of Mg-Al hydrotalcite-like compounds containing cerium. *Journal of Colloid and Interface Science*, **2006**, 301, 569-74	9.3	67

369	Adsorption of Copper(II) on NH2-MCM-41 and Its Application for Epoxidation of Styrene. *Industrial & Engineering Chemistry Research*, **2012**, 51, 2235-2246	3.9	66
368	Catalytic ketonisation of acetic acid over modified zirconia. *Journal of Molecular Catalysis A*, **1999**, 139, 73-80		66
367	Transition metal/metal oxide modified MCM-41 for pollutant degradation and hydrogen energy production: a review. *RSC Advances*, **2015**, 5, 83707-83724	3.7	65
366	One-Pot-Architectured Au-Nanodot-Promoted MoS/ZnInS: A Novel p-n Heterojunction Photocatalyst for Enhanced Hydrogen Production and Phenol Degradation. *Inorganic Chemistry*, **2019**, 58, 9941-9955	5.1	65
365	Preparation, physico-chemical characterization and catalytic activity of sulphated ZrO2□TiO2 mixed oxides. *Journal of Molecular Catalysis A*, **2002**, 189, 271-282		65
364	Enhanced photocatalytic activity of nanostructured Fe doped CeO2 for hydrogen production under visible light irradiation. *International Journal of Hydrogen Energy*, **2016**, 41, 14133-14146	6.7	64
363	A novel approach towards solvent-free epoxidation of cyclohexene by Ti(IV)□Schiff base complex-intercalated LDH using H2O2 as oxidant. *Journal of Catalysis*, **2010**, 276, 161-169	7.3	62
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361	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. *Journal of Colloid and Interface Science*, **2020**, 568, 89-105	9.3	61
360	Facile Synthesis of Au/g-C3N4 Nanocomposites: An Inorganic/Organic Hybrid Plasmonic Photocatalyst with Enhanced Hydrogen Gas Evolution Under Visible-Light Irradiation. *ChemCatChem*, **2014**, 6, n/a-n/a	5.2	61
359	Adsorption of hexavalent chromium on manganese nodule leached residue obtained from NH3-SO2 leaching. *Journal of Colloid and Interface Science*, **2006**, 297, 419-25	9.3	61
358	An overview of recent progress on noble metal modified magnetic Fe3O4 for photocatalytic pollutant degradation and H2 evolution. *Catalysis Science and Technology*, **2019**, 9, 916-941	5.5	60
357	Synergistic effects of plasmon induced Ag@Ag3VO4/ZnCr LDH ternary heterostructures towards visible light responsive O2 evolution and phenol oxidation reactions. *Inorganic Chemistry Frontiers*, **2018**, 5, 879-896	6.8	60
356	Synthesis, photoelectrochemical properties and solar light-induced photocatalytic activity of bismuth ferrite nanoparticles. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	60
355	Heteropoly acid intercalated Zn/Al HTlc as efficient catalyst for esterification of acetic acid using n-butanol. *Journal of Molecular Catalysis A*, **2007**, 264, 248-254		60
354	n-La2Ti2O7/p-LaCrO3: a novel heterojunction based composite photocatalyst with enhanced photoactivity towards hydrogen production. *Journal of Materials Chemistry A*, **2014**, 2, 18405-18412	13	59
353	Montmorillonite supported metal nanoparticles: an update on syntheses and applications. *RSC Advances*, **2013**, 3, 13583	3.7	59
352	Synthesis and characterization of a Fe(III)-Schiff base complex in a Zn-Al LDH host for cyclohexane oxidation. *Journal of Molecular Catalysis A*, **2010**, 329, 7-12		59

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350	Facile fabrication of Bi2O3/BiNaTaO3 photocatalysts for hydrogen generation under visible light irradiation. *RSC Advances*, **2012**, 2, 9423	3.7	58
349	Copper and Nickel Modified MCM-41 An Efficient Catalyst for Hydrodehalogenation of Chlorobenzene at Room Temperature. *Industrial & Engineering Chemistry Research*, **2011**, 50, 2839-2849	3.9	58
348	Enhanced visible light harnessing and oxygen vacancy promoted N, S co-doped CeO2 nanoparticle: a challenging photocatalyst for Cr(VI) reduction. *Catalysis Science and Technology*, **2017**, 7, 2772-2781	5.5	57
347	CuO/PbTiO3: A new-fangled p junction designed for the efficient absorption of visible light with augmented interfacial charge transfer, photoelectrochemical and photocatalytic activities. *Journal of Materials Chemistry A*, **2017**, 5, 20359-20373	13	57
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344	Facile synthesis of exfoliated graphitic carbon nitride for photocatalytic degradation of ciprofloxacin under solar irradiation. *Journal of Materials Science*, **2019**, 54, 5726-5742	4.3	57
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342	Physico-chemical characterisation and photocatalytic activity of nanosized SO42/TiO2 towards degradation of 4-nitrophenol. *Journal of Molecular Catalysis A*, **2003**, 198, 277-287		56
341	Serendipitous Assembly of Mixed Phase BiVO on B-Doped g-CN: An Appropriate p-n Heterojunction for Photocatalytic O evolution and Cr(VI) reduction. *Inorganic Chemistry*, **2019**, 58, 12480-12491	5.1	55
340	A multi-functionalized montmorillonite for co-operative catalysis in one-pot Henry reaction and water pollution remediation. *Journal of Materials Chemistry A*, **2014**, 2, 7526	13	54
339	Quick photo-Fenton degradation of phenolic compounds by Cu/Al2O3-MCM-41 under visible light irradiation: small particle size, stabilization of copper, easy reducibility of Cu and visible light active material. *Dalton Transactions*, **2013**, 42, 558-66	4.3	54
338	Methane budget from paddy fields in India. *Chemosphere*, **1996**, 33, 737-757	8.4	54
337	A review of harvesting clean fuels from enzymatic CO2 reduction. *RSC Advances*, **2016**, 6, 44170-44194	3.7	54
336	ZnCr2O4@ZnO/g-C3N4: A Triple-Junction Nanostructured Material for Effective Hydrogen and Oxygen Evolution under Visible Light. *Energy Technology*, **2017**, 5, 1687-1701	3.5	53
335	UiO-66-NH Metal-Organic Frameworks with Embedded MoS Nanoflakes for Visible-Light-Mediated H and O Evolution. *Inorganic Chemistry*, **2020**, 59, 9824-9837	5.1	52
334	Facile synthesis of ZnFeO photocatalysts for decolourization of organic dyes under solar irradiation. *Beilstein Journal of Nanotechnology*, **2018**, 9, 436-446	3	52

333	A Kinetic, Thermodynamic, and Mechanistic Approach toward Adsorption of Methylene Blue over Water-Washed Manganese Nodule Leached Residues. *Industrial & Engineering Chemistry Research*, **2011**, 50, 843-848	3.9	52
332	Facile synthesis of ZnFeO@RGO nanocomposites towards photocatalytic ciprofloxacin degradation and H energy production. *Journal of Colloid and Interface Science*, **2019**, 556, 667-679	9.3	51
331	Fabrication of a Au-loaded CaFe2O4/CoAl LDH p junction based architecture with stoichiometric H2 & O2 generation and Cr(VI) reduction under visible light. *Inorganic Chemistry Frontiers*, **2019**, 6, 94-109	6.8	51
330	A comparative study on adsorption and photocatalytic dye degradation under visible light irradiation by mesoporous MnO 2 modified MCM-41 nanocomposite. *Microporous and Mesoporous Materials*, **2016**, 226, 229-242	5.3	51
329	Fe/meso-Al2O3: An Efficient Photo-Fenton Catalyst for the Adsorptive Degradation of Phenol. *Industrial & Engineering Chemistry Research*, **2010**, 49, 8310-8318	3.9	51
328	Facile fabrication of hierarchical N-doped GaZn mixed oxides for water splitting reactions. *Journal of Materials Chemistry*, **2010**, 20, 7144		51
327	Visible Light Active Single-Crystal Nanorod/Needle-like MnO2@RGO Nanocomposites for Efficient Photoreduction of Cr(VI). *Journal of Physical Chemistry C*, **2017**, 121, 6039-6049	3.8	50
326	Phosphide protected FeS2 anchored oxygen defect oriented CeO2NS based ternary hybrid for electrocatalytic and photocatalytic N2 reduction to NH3. *Journal of Materials Chemistry A*, **2019**, 7, 9145-9153	13	50
325	Efficient Photon Conversion via Double Charge Dynamics CeO-BiFeO p-n Heterojunction Photocatalyst Promising toward N Fixation and Phenol-Cr(VI) Detoxification. *Inorganic Chemistry*, **2020**, 59, 3856-3873	5.1	50
324	Facile fabrication of Gd(OH)3 nanorod/RGO composite: Synthesis, characterisation and photocatalytic reduction of Cr(VI). *Chemical Engineering Journal*, **2014**, 255, 78-88	14.7	50
323	Green synthesis of fibrous hierarchical meso-macroporous N doped TiO2 nanophotocatalyst with enhanced photocatalytic H2 production. *International Journal of Hydrogen Energy*, **2013**, 38, 3545-3553	6.7	50
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321	Cu@CuO promoted g-C3N4/MCM-41: an efficient photocatalyst with tunable valence transition for visible light induced hydrogen generation. *RSC Advances*, **2016**, 6, 112602-112613	3.7	49
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318	Rational design of light induced self healed Fe based oxygen vacancy rich CeO2 (CeO2NS eOOH/Fe2O3) nanostructure materials for photocatalytic water oxidation and Cr(VI) reduction. *Journal of Materials Chemistry A*, **2018**, 6, 11377-11389	13	48
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