List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Rapid photodegradation mechanism enabled by broad-spectrum absorbing black anatase and reduced graphene oxide nanocomposites. Applied Surface Science, 2022, 575, 151718.	6.1	10
2	Efficient Photocatalytic H ₂ Evolution by Hexaniobate Nanosheets Grafted with Copper Nanoclusters. ChemPhotoChem, 2022, 6, .	3.0	2
3	Photocatalytic H2 production and degradation of aqueous 2-chlorophenol over B/N-graphene-coated Cu0/TiO2: A DFT, experimental and mechanistic investigation. Journal of Environmental Management, 2022, 311, 114822.	7.8	11
4	Thermo-photodynamic perspective of the simultaneous S-Scheme ternary heterostructure through Ag3VO4 shuttle for the increased photo-redox ability. Applied Materials Today, 2022, 27, 101435.	4.3	1
5	Effect of the Heterovalent Doping of TiO2 with Sc3+ and Nb5+ on the Defect Distribution and Photocatalytic Activity. Catalysts, 2022, 12, 484.	3.5	4
6	Highly Stable Au/Hexaniobate Nanocomposite Prepared by a Green Intercalation Method for Photoinduced H ₂ Evolution Applications. ACS Applied Energy Materials, 2022, 5, 8371-8380.	5.1	2
7	Effect of Sc3+/V5+ Co-Doping on Photocatalytic Activity of TiO2. Topics in Catalysis, 2021, 64, 817-823.	2.8	8
8	Charge Carriers in Commercial Photocatalysts: Fractal Kinetics and Effect of "Inert―Additives. Topics in Catalysis, 2021, 64, 737-747.	2.8	2
9	CO2 towards fuels: A review of catalytic conversion of carbon dioxide to hydrocarbons. Journal of Environmental Chemical Engineering, 2021, 9, 104756.	6.7	147
10	Pyrolysis conversion of metal organic frameworks to form uniform codoped C/N-Titania photocatalyst for H2 production through simulated solar light. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 407, 113037.	3.9	20
11	Photocatalytic Hydrogen Evolution Over Pt/Co-TiO2 Photocatalysts. Journal of Photocatalysis, 2021, 2, 35-48.	0.4	0
12	TiO2 Photocatalysis for the Transformation of Aromatic Water Pollutants into Fuels. Catalysts, 2021, 11, 317.	3.5	34
13	Photoactive Heterostructures: How They Are Made and Explored. Catalysts, 2021, 11, 294.	3.5	13
14	Photoinduced H2 Evolution by Hexaniobate Sheets Grafted with Metal Ions: The Fate of Photogenerated Carriers. ACS Applied Energy Materials, 2021, 4, 3681-3692.	5.1	8
15	Editorial: Special Issue on Photocatalytic Nanocomposite Materials (PNMs). Catalysts, 2021, 11, 587.	3.5	0
16	Isotope Effects in Photocatalysis: An Underexplored Issue. ACS Omega, 2021, 6, 11113-11121.	3.5	8
17	A Bifunctional 2D Interlayered β u ₂ V ₂ O ₇ /Zn ₂ V ₂ O ₆ (CZVO) Heterojunction for Solarâ€Driven Nonsacrificial Dye Degradation and Water Oxidation. Energy Technology. 2021. 9. 2100034.	3.8	27
18	Effect of Cu2O Substrate on Photoinduced Hydrophilicity of TiO2 and ZnO Nanocoatings. Nanomaterials, 2021, 11, 1526.	4.1	4

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19	UV-induced alteration of luminescence chromaticity of Ln-based MOF-76. Journal of Luminescence, 2021, 235, 117970.	3.1	6
20	Hybrid Organic–Inorganic Halide Postâ€Perovskite 3 yanopyridinium Lead Tribromide for Optoelectronic Applications. Advanced Functional Materials, 2021, 31, 2102338.	14.9	18
21	Visible light-driven novel Bi2Ti2O7/CaTiO3 composite photocatalyst with enhanced photocatalytic activity towards NO removal. Chemosphere, 2021, 275, 130083.	8.2	48
22	Photocatalytic NOx removal using tantalum oxide nanoparticles: A benign pathway. Applied Catalysis B: Environmental, 2021, 291, 119974.	20.2	58
23	Photoinduced hydrophilic behavior of TiO2 thin film on Si substrate. Journal of Alloys and Compounds, 2021, 872, 159746.	5.5	12
24	Novel Ag decorated, BiOCl surface doped AgVO3 nanobelt ternary composite with Z-scheme homojunction-heterojunction interface for high prolific photo switching, quantum efficiency and hole mediated photocatalysis. Applied Catalysis B: Environmental, 2021, 293, 120224.	20.2	82
25	Assessing the photocatalytic oxygen evolution reaction of BiFeO3 loaded with IrO2 nanoparticles as cocatalyst. Solar Energy Materials and Solar Cells, 2021, 232, 111349.	6.2	13
26	TiO2 photocatalysis: Impact of the platinum loading method on reductive and oxidative half-reactions. Catalysis Today, 2021, 380, 3-15.	4.4	19
27	MgFe2O4 decoration of g-C3N4 nanosheets to enhance CIP oxidation in visible-light photocatalysis. Optical Materials, 2021, 121, 111598.	3.6	11
28	Controlled synthesis of Ag2O/g-C3N4 heterostructures using soft and hard templates for efficient and enhanced visible-light degradation of ciprofloxacin. Ceramics International, 2021, 47, 31073-31083.	4.8	18
29	Synthesis of metal-free functionalized g-C3N4 nanosheets for enhanced photocatalytic activity. Journal of Environmental Chemical Engineering, 2021, 9, 106389.	6.7	5
30	Polarization-enhanced photocatalytic activity in non-centrosymmetric materials based photocatalysis: A review. Chemical Engineering Journal, 2021, 426, 131681.	12.7	57
31	Photocatalytic H2 Production from Naphthalene by Various TiO2 Photocatalysts: Impact of Pt Loading and Formation of Intermediates. Catalysts, 2021, 11, 107.	3.5	19
32	Multi-dimensional applications of graphitic carbon nitride nanomaterials – A review. Journal of Molecular Liquids, 2021, 344, 117820.	4.9	46
33	7th International Conference on Semiconductor Photochemistry (SP7). Topics in Catalysis, 2021, 64, 735-736.	2.8	Ο
34	Boosting the H2 Production Efficiency via Photocatalytic Organic Reforming: The Role of Additional Hole Scavenging System. Catalysts, 2021, 11, 1423.	3.5	16
35	Construction of mesoporous CdO/g-C3N4 nanocomposites for photooxidation of ciprofloxacin under visible light exposure. Optical Materials, 2021, 122, 111816.	3.6	0
36	Effect of the Type of Heterostructures on Photostimulated Alteration of the Surface Hydrophilicity: TiO2/BiVO4 vs. ZnO/BiVO4 Planar Heterostructured Coatings. Catalysts, 2021, 11, 1424.	3.5	5

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37	Application of EPR Spectroscopy in TiO2 and Nb2O5 Photocatalysis. Catalysts, 2021, 11, 1514.	3.5	28
38	lsotopic studies on the degradation of acetaldehyde on anatase surfaces. Catalysis Today, 2020, 340, 318-322.	4.4	7
39	Determination of the quantum yield of a heterogeneous photocatalytic reaction employing a black body photoreactor. Catalysis Today, 2020, 355, 698-703.	4.4	11
40	H2 production using CuS/g-C3N4 nanocomposites under visible light. Applied Nanoscience (Switzerland), 2020, 10, 223-232.	3.1	15
41	TiO2-reduced graphene oxide nanocomposites: Microsecond charge carrier kinetics. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 386, 112112.	3.9	9
42	Photo-catalytic destruction of acetaldehyde using cobalt, copper co-doped titania dioxide nanoparticles beneath Visible light. Applied Nanoscience (Switzerland), 2020, 10, 931-939.	3.1	6
43	Anchoring lead-free halide Cs3Bi2I9 perovskite on UV100–TiO2 for enhanced photocatalytic performance. Solar Energy Materials and Solar Cells, 2020, 204, 110214.	6.2	35
44	Hematite and Magnetite Nanostructures for Green and Sustainable Energy Harnessing and Environmental Pollution Control: A Review. Chemical Research in Toxicology, 2020, 33, 1292-1311.	3.3	102
45	Photoelectrochemistry of Ferrites: Theoretical Predictions vs. Experimental Results. Zeitschrift Fur Physikalische Chemie, 2020, 234, 719-776.	2.8	24
46	Hybrid lead triiodide perovskites with unsaturated heterocyclic cations containing N, O, and S atoms: Ab initio study. Journal of Solid State Chemistry, 2020, 282, 121082.	2.9	4
47	Nanoporous TiO2 spheres with tailored textural properties: Controllable synthesis, formation mechanism, and photochemical applications. Progress in Materials Science, 2020, 109, 100620.	32.8	100
48	Photogenerated Charge Carriers Dynamics on La- and/or Cr-Doped SrTiO ₃ Nanoparticles Studied by Transient Absorption Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 1292-1302.	3.1	19
49	Soft and hard templates assisted synthesis mesoporous CuO/g-C3N4 heterostructures for highly enhanced and accelerated Hg(II) photoreduction under visible light. Journal of Colloid and Interface Science, 2020, 580, 223-233.	9.4	106
50	Rich surface hydroxyl design for nanostructured TiO2 and its hole-trapping effect. Chemical Engineering Journal, 2020, 400, 125909.	12.7	43
51	Dynamics of Photogenerated Charge Carriers in TiO2/MoO3, TiO2/WO3 and TiO2/V2O5 Photocatalysts with Mosaic Structure. Catalysts, 2020, 10, 1022.	3.5	10
52	A Selective Synthesis of TaON Nanoparticles and Their Comparative Study of Photoelectrochemical Properties. Catalysts, 2020, 10, 1128.	3.5	7
53	Novel 3D photoactive direct bandgap perovskites CsBiPbX6: Ab initio structure and electronic properties. Computational Materials Science, 2020, 183, 109819.	3.0	1
54	Mechanistic Insights into Hydrogen Evolution by Photocatalytic Reforming of Naphthalene. ACS Catalysis, 2020, 10, 7398-7412.	11.2	29

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55	Nitrogen/Carbon-Coated Zero-Valent Copper as Highly Efficient Co-catalysts for TiO ₂ Applied in Photocatalytic and Photoelectrocatalytic Hydrogen Production. ACS Applied Materials & Interfaces, 2020, 12, 30365-30380.	8.0	35
56	Performance of mesoporous α-Fe2O3/g-C3N4 heterojunction for photoreduction of Hg(II) under visible light illumination. Ceramics International, 2020, 46, 23098-23106.	4.8	88
57	Photomineralization of untreated wastewater by a novel LaCeZr2O7–SnSe nanocomposite as a visible light driven heterogeneous photocatalyst. Solid State Sciences, 2020, 106, 106305.	3.2	7
58	Evaluating carbon dots as electron mediators in photochemical and photocatalytic processes of NiFe2O4. APL Materials, 2020, 8, 031105.	5.1	6
59	The effect of organic cations on the electronic, optical and luminescence properties of 1D piperidinium, pyridinium, and 3-hydroxypyridinium lead trihalides. Dalton Transactions, 2020, 49, 4390-4403.	3.3	16
60	Recent Progresses on Metal Halide Perovskite-Based Material as Potential Photocatalyst. Catalysts, 2020, 10, 709.	3.5	65
61	Photocatalytic H ₂ Evolution from Oxalic Acid: Effect of Cocatalysts and Carbon Dioxide Radical Anion on the Surface Charge Transfer Mechanisms. ACS Applied Energy Materials, 2020, 3, 6678-6691.	5.1	25
62	Decoration of g-C3N4 nanosheets by mesoporous CoFe2O4 nanoparticles for promoting visible-light photocatalytic Hg(II) reduction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125206.	4.7	72
63	Cs3Bi2I9/g-C3N4 as a new binary photocatalyst for efficient visible-light photocatalytic processes. Separation and Purification Technology, 2020, 251, 117320.	7.9	56
64	Ag(I) ions working as a hole-transfer mediator in photoelectrocatalytic water oxidation on WO3 film. Nature Communications, 2020, 11, 967.	12.8	66
65	UV/Vis Light Induced Degradation of Oxytetracycline Hydrochloride Mediated by Co-TiO2 Nanoparticles. Molecules, 2020, 25, 249.	3.8	26
66	Recent Advances in Niobium-Based Materials for Photocatalytic Solar Fuel Production. Catalysts, 2020, 10, 126.	3.5	55
67	Rh/TiO ₂ -Photocatalyzed Acceptorless Dehydrogenation of N-Heterocycles upon Visible-Light Illumination. ACS Catalysis, 2020, 10, 5542-5553.	11.2	78
68	Pb-Free Cs3Bi2I9 Perovskite as a Visible-Light-Active Photocatalyst for Organic Pollutant Degradation. Nanomaterials, 2020, 10, 763.	4.1	47
69	Latest progress in g-C ₃ N ₄ based heterojunctions for hydrogen production via photocatalytic water splitting: a mini review. JPhys Energy, 2020, 2, 042003.	5.3	41
70	The Study of Photoactive Materials. Reviews and Advances in Chemistry, 2020, 10, 73-111.	0.5	1
71	Photocatalytic properties of layer-by-layer thin films of hexaniobate nanoscrolls. Catalysis Today, 2019, 326, 60-67.	4.4	14
72	Elastic, phononic, magnetic and electronic properties of quasi-one-dimensional PbFeBO4. Journal of Materials Science, 2019, 54, 13579-13593.	3.7	2

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73	TiO2 nanoparticles with superior hydrogen evolution and pollutant degradation performance. International Journal of Hydrogen Energy, 2019, 44, 24162-24173.	7.1	18
74	Unraveling the photocatalytic properties of TiO2/WO3 mixed oxidesâ€. Photochemical and Photobiological Sciences, 2019, 18, 2469-2483.	2.9	35
75	Preparation ultrafine l-Methionine (C,N,S triple doped)-TiO2-ZnO nanoparticles and their photocatalytic performance for fouling alleviation in PES nanocomposite membrane. Composites Part B: Engineering, 2019, 176, 107158.	12.0	39
76	Reaction Rate Study of the Photocatalytic Degradation of Dichloroacetic Acid in a Black Body Reactor. Catalysts, 2019, 9, 635.	3.5	8
77	Light-Induced Reactions of Chlorpromazine in the Presence of a Heterogeneous Photocatalyst: Formation of a Long-Lasting Sulfoxide. Catalysts, 2019, 9, 627.	3.5	13
78	Photodegradation of Herbicide Imazapyr and Phenol over Mesoporous Bicrystalline Phases TiO2: A Kinetic Study. Catalysts, 2019, 9, 640.	3.5	14
79	Mechanistic Investigations of Photoelectrochemical Water and Methanol Oxidation on Well-Defined TiO ₂ Anatase (101) and Rutile (110) Surfaces. ACS Applied Energy Materials, 2019, 2, 5308-5318.	5.1	15
80	Transmission IR cell for atmosphere-controlled studies of photoprocesses on powdered high surface area materials. Review of Scientific Instruments, 2019, 90, 105113.	1.3	6
81	Visible-Light-Mediated Photocatalytic Aerobic Dehydrogenation of N-heterocycles by Surface-Grafted TiO ₂ and 4-amino-TEMPO. ACS Catalysis, 2019, 9, 10694-10704.	11.2	72
82	Regarding the Nature of Charge Carriers Formed by UV or Visible Light Excitation of Carbon-Modified Titanium Dioxide. Catalysts, 2019, 9, 697.	3.5	7
83	Tailoring the Photoelectrochemical Activity of TiO ₂ Electrodes by Multilayer Screenâ€Printing. ChemCatChem, 2019, 11, 6439-6450.	3.7	11
84	Effect of the Degree of Inversion on the Electrical Conductivity of Spinel ZnFe ₂ O ₄ . ChemistrySelect, 2019, 4, 1232-1239.	1.5	23
85	Design and synthesis of imidazole-triphenylamine based organic materials for dye sensitized solar cells. Materials Letters, 2019, 242, 28-31.	2.6	30
86	Modulating optoelectronic properties of organo-metal halide perovskites with unsaturated heterocyclic cations via ring substitution. Journal of Physics and Chemistry of Solids, 2019, 135, 109078.	4.0	3
87	Ultrathin-Layer Structure of BiOI Microspheres Decorated on N-Doped Biochar With Efficient Photocatalytic Activity. Frontiers in Chemistry, 2019, 7, 378.	3.6	29
88	Photoenzymatic Hydroxylation of Ethylbenzene Catalyzed by Unspecific Peroxygenase: Origin of Enzyme Inactivation and the Impact of Light Intensity and Temperature. ChemCatChem, 2019, 11, 3093-3100.	3.7	31
89	Effect of the Degree of Inversion on the Photoelectrochemical Activity of Spinel ZnFe2O4. Catalysts, 2019, 9, 434.	3.5	18
90	Effect of the TiO ₂ –ZnO Heterostructure on the Photoinduced Hydrophilic Conversion of TiO ₂ and ZnO Surfaces. Journal of Physical Chemistry C, 2019, 123, 8884-8891.	3.1	24

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91	Novel hybrid semiconducting lead and tin halide perovskites with saturated heterocyclic cations (CH2)nPH2+ and (CH2)nSH+, (n=2–6): Ab initio study. Materials Chemistry and Physics, 2019, 229, 387-391.	4.0	2
92	ZnO@ porous graphite nanocomposite from waste for superior photocatalytic activity. Environmental Science and Pollution Research, 2019, 26, 12288-12301.	5.3	28
93	Photodegradation of Microcystin-LR Using Visible Light-Activated C/N-co-Modified Mesoporous TiO2 Photocatalyst. Materials, 2019, 12, 1027.	2.9	22
94	Twoâ€Dimensional Layered Zinc Silicate Nanosheets with Excellent Photocatalytic Performance for Organic Pollutant Degradation and CO ₂ Conversion. Angewandte Chemie - International Edition, 2019, 58, 8103-8108.	13.8	90
95	Twoâ€Dimensional Layered Zinc Silicate Nanosheets with Excellent Photocatalytic Performance for Organic Pollutant Degradation and CO ₂ Conversion. Angewandte Chemie, 2019, 131, 8187-8192.	2.0	6
96	Quantification of formaldehyde production during alkaline methanol electrooxidation. Electrochemistry Communications, 2019, 102, 57-62.	4.7	16
97	In-Situ Synthesis of Nb2O5/g-C3N4 Heterostructures as Highly Efficient Photocatalysts for Molecular H2 Evolution under Solar Illumination. Catalysts, 2019, 9, 169.	3.5	40
98	A novel L-Histidine (C, N) codoped-TiO2-CdS nanocomposite for efficient visible photo-degradation of recalcitrant compounds from wastewater. Journal of Hazardous Materials, 2019, 369, 384-397.	12.4	47
99	Influence of the preparation conditions on the morphology and photocatalytic performance Pt-modified hexaniobate composites. Journal of Physics Condensed Matter, 2019, 31, 394001.	1.8	9
100	A Comparative Study of Microcystin-LR Degradation by UV-A, Solar and Visible Light Irradiation Using Bare and C/N/S-Modified Titania. Catalysts, 2019, 9, 877.	3.5	7
101	Photoelectrochemical Behavior of the Ternary Heterostructured Systems CdS/WO3/TiO2. Catalysts, 2019, 9, 999.	3.5	10
102	Synthesis, characterization and photocatalytic activity of LaNdZr2O7 supported SnSe nanocomposites for the degradation of Foron blue dye. Applied Surface Science, 2019, 463, 1019-1027.	6.1	24
103	Preparation and characterization of a novel photocatalytic self-cleaning PES nanofiltration membrane by embedding a visible-driven photocatalyst boron doped-TiO2SiO2/CoFe2O4 nanoparticles. Separation and Purification Technology, 2019, 209, 764-775.	7.9	91
104	Photodegradation of 4-aminoantipyrine over nano-titania heterojunctions using solar and LED irradiation sources. Journal of Environmental Chemical Engineering, 2019, 7, 102797.	6.7	17
105	Modeling and Optimization of the Photocatalytic Reduction of Molecular Oxygen to Hydrogen Peroxide over Titanium Dioxide. ACS Catalysis, 2019, 9, 25-37.	11.2	98
106	Kinetic effects and oxidation pathways of sacrificial electron donors on the example of the photocatalytic reduction of molecular oxygen to hydrogen peroxide over illuminated titanium dioxide. Catalysis Today, 2019, 335, 354-364.	4.4	21
107	Charge carrier trapping, recombination and transfer during TiO2 photocatalysis: An overview. Catalysis Today, 2019, 335, 78-90.	4.4	350
108	Insights into Different Photocatalytic Oxidation Activities of Anatase, Brookite, and Rutile Single-Crystal Facets. ACS Catalysis, 2019, 9, 1001-1012.	11.2	37

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109	Highly efficient solar light-assisted TiO2 nanocrystalline for photodegradation of ibuprofen drug. Optical Materials, 2019, 88, 117-127.	3.6	55
110	Iron-based photocatalytic and photoelectrocatalytic nano-structures: Facts, perspectives, and expectations. Applied Catalysis B: Environmental, 2019, 244, 1065-1095.	20.2	100
111	Nature and photoreactivity of TiO2-rGO nanocomposites in aqueous suspensions under UV-A irradiation. Applied Catalysis B: Environmental, 2019, 241, 375-384.	20.2	41
112	Changes in the solid-state properties of bismuth iron oxide during the photocatalytic reformation of formic acid. Catalysis Today, 2019, 326, 22-29.	4.4	13
113	Photocatalytic reduction of Cr(VI) on hematite nanoparticles in the presence of oxalate and citrate. Applied Catalysis B: Environmental, 2019, 242, 218-226.	20.2	110
114	Synthesis of visible light driven TiO2 coated carbon nanospheres for degradation of dyes. Arabian Journal of Chemistry, 2019, 12, 3534-3545.	4.9	42
115	Kinetic and mechanistic features on the reaction of stored TiO2 electrons with Hg (II), Pb (II) and Ni (II) in aqueous suspension. Arabian Journal of Chemistry, 2019, 12, 5134-5141.	4.9	12
116	Dynamics of photoinduced bulk and surface reactions involving semiconductors characterized by time resolved spectroscopy techniques (2015–2018). Photochemistry, 2019, , 122-158.	0.2	7
117	Construction of Visible Light Responsive CdSe/g-C ₃ N ₄ Nanocomposites for H ₂ Production. Nanoscience and Nanotechnology Letters, 2019, 11, 1281-1291.	0.4	3
118	Comparison Between Ag@TiO ₂ Core-Shell and Yolk-Shell Structures for Degradation of Gaseous Toluene Beneath Visible Light. Nanoscience and Nanotechnology Letters, 2019, 11, 1226-1238.	0.4	1
119	Photocatalytic conversion of biomass into valuable products: a meaningful approach?. Green Chemistry, 2018, 20, 1169-1192.	9.0	181
120	Surface modification of Na-K 2 Ti 6 O 13 photocatalyst with Cu(II)-nanocluster for efficient visible-light-driven photocatalytic activity. Materials Letters, 2018, 220, 50-53.	2.6	13
121	Influence of inorganic additives on the photocatalytic removal of nitric oxide and on the charge carrier dynamics of TiO2 powders. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 366, 142-151.	3.9	6
122	Strong Transient Absorption of Trapped Holes in Anatase and Rutile TiO ₂ at High Laser Intensities. Journal of Physical Chemistry C, 2018, 122, 13979-13985.	3.1	18
123	One-Pot Fabrication of High Coverage PbS Quantum Dot Nanocrystal-Sensitized Titania Nanotubes for Photoelectrochemical Processes. Journal of Physical Chemistry C, 2018, 122, 13659-13668.	3.1	25
124	Understanding the degradation pathways of oxalic acid in different photocatalytic systems: Towards simultaneous photocatalytic hydrogen evolution. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 366, 81-90.	3.9	25
125	Photocatalytic activity and charge carrier dynamics of TiO ₂ powders with a binary particle size distribution. Physical Chemistry Chemical Physics, 2018, 20, 8119-8132.	2.8	21
126	Harvesting visible light with MoO ₃ nanorods modified by Fe(<scp>iii</scp>) nanoclusters for effective photocatalytic degradation of organic pollutants. Physical Chemistry Chemical Physics, 2018, 20, 4538-4545.	2.8	55

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127	Mechanisms of Photocatalytic Molecular Hydrogen and Molecular Oxygen Evolution over La-Doped NaTaO ₃ Particles: Effect of Different Cocatalysts and Their Specific Activity. ACS Catalysis, 2018, 8, 2313-2325.	11.2	46
128	New insights into the plasmonic enhancement for photocatalytic H ₂ production by Cu–TiO ₂ upon visible light illumination. Physical Chemistry Chemical Physics, 2018, 20, 5264-5273.	2.8	60
129	Application of a novel triple metal-nonmetal doped TiO2 (K-B-N-TiO2) for photocatalytic degradation of Linear Alkyl Benzene (LAB) industrial wastewater under visible light. Materials Science in Semiconductor Processing, 2018, 75, 193-205.	4.0	22
130	Photocatalytic degradation of the herbicide imazapyr: do the initial degradation rates correlate with the adsorption kinetics and isotherms?. Catalysis Science and Technology, 2018, 8, 985-995.	4.1	31
131	Low Inhomogeneous Broadening of Excitonic Resonance in MAPbBr ₃ Single Crystals. Journal of Physical Chemistry Letters, 2018, 9, 302-305.	4.6	27
132	Visible-light photocatalytic activity of zinc ferrites. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 366, 118-126.	3.9	54
133	The role of Au loading for visible-light photocatalytic activity of Au-TiO2 (anatase). Journal of Photochemistry and Photobiology A: Chemistry, 2018, 366, 111-117.	3.9	18
134	Influence of the Dopant Concentration on the Photoelectrochemical Behavior of Al-Doped TiO ₂ . Journal of Physical Chemistry C, 2018, 122, 7975-7981.	3.1	17
135	Photocatalytic CO ₂ Reduction by Re(I) Polypyridyl Complexes Immobilized on Niobates Nanoscrolls. ACS Sustainable Chemistry and Engineering, 2018, 6, 6073-6083.	6.7	34
136	Synthesis, Characterization and Photocatalytic Activity of Carbon Nanotube/Titanium Dioxide Nanocomposites. Arabian Journal for Science and Engineering, 2018, 43, 199-210.	3.0	35
137	Synthesis of iron and copper cluster-grafted zinc oxide nanorod with enhanced visible-light-induced photocatalytic activity. Journal of Colloid and Interface Science, 2018, 509, 68-72.	9.4	31
138	Surface-grafted WO3/TiO2 photocatalysts: Enhanced visible-light activity towards indoor air purification. Catalysis Today, 2018, 313, 63-71.	4.4	74
139	Visible light-induced catalytic activation of peroxymonosulfate using heterogeneous surface complexes of amino acids on TiO2. Applied Catalysis B: Environmental, 2018, 225, 406-414.	20.2	51
140	One-pot, self-assembled hydrothermal synthesis of 3D flower-like CuS/g-C3N4 composite with enhanced photocatalytic activity under visible-light irradiation. Journal of Physics and Chemistry of Solids, 2018, 115, 59-68.	4.0	102
141	A green approach for degradation of organic pollutants using rare earth metal doped bismuth oxide. Catalysis Today, 2018, 300, 89-98.	4.4	66
142	Effect of the degree of inversion on optical properties of spinel ZnFe ₂ O ₄ . Physical Chemistry Chemical Physics, 2018, 20, 28267-28278.	2.8	88
143	Spectroscopic analysis of proton exchange during the photocatalytic decomposition of aqueous acetic acid: an isotopic study on the product distribution and reaction rate. Catalysis Science and Technology, 2018, 8, 5886-5899.	4.1	2
144	Pyridinium lead tribromide and pyridinium lead triiodide: quasi-one-dimensional perovskites with an optically active aromatic π-system. Dalton Transactions, 2018, 47, 16313-16319.	3.3	24

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145	Highly Selective Photocatalytic Reduction of o-Dinitrobenzene to o-Phenylenediamine over Non-Metal-Doped TiO2 under Simulated Solar Light Irradiation. Catalysts, 2018, 8, 641.	3.5	10
146	Ag/Ag2O as a Co-Catalyst in TiO2 Photocatalysis: Effect of the Co-Catalyst/Photocatalyst Mass Ratio. Catalysts, 2018, 8, 647.	3.5	59
147	Effect of H2O and O2 on the Adsorption and Degradation of Acetaldehyde on Anatase Surfaces—An In Situ ATR-FTIR Study. Catalysts, 2018, 8, 417.	3.5	18
148	Photomineralization of recalcitrant wastewaters by a novel magnetically recyclable boron doped-TiO2-SiO2 cobalt ferrite nanocomposite as a visible-driven heterogeneous photocatalyst. Journal of Environmental Chemical Engineering, 2018, 6, 6370-6381.	6.7	31
149	Reprint of "Studies on the adsorption and photocatalytic degradation of an EullI(TTFA)3(MePhTerpy) complex on the TiO2 surface― Journal of Photochemistry and Photobiology A: Chemistry, 2018, 366, 91-96.	3.9	0
150	Tailoring Composition and Material Distribution in Multicomponent Cryoaerogels for Application in Photocatalysis. ACS Applied Nano Materials, 2018, 1, 6123-6130.	5.0	15
151	Self-cleaning properties of zirconium dioxide thin films. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 397-405.	3.9	22
152	Irreversible surface changes upon n-type doping – A photoelectrochemical study on rutile single crystals. Electrochimica Acta, 2018, 280, 278-289.	5.2	4
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