Dong-Hau Kuo

List of Publications by Year
in descending order

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264	5,635	81743	149479
papers	citations	39 h-index	56 g-index

268	268	268	4944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dielectric behaviours of multi-doped BaTiO3/epoxy composites. Journal of the European Ceramic Society, 2001, 21, 1171-1177.	2.8	170
2	Dielectric properties of three ceramic/epoxy composites. Materials Chemistry and Physics, 2004, 85, 201-206.	2.0	162
3	A two-oxide nanodiode system made of double-layered p-type Ag₂O@n-type TiO₂ for rapid reduction of 4-nitrophenol. Physical Chemistry Chemical Physics, 2016, 18, 4405-4414.	1.3	119
4	Highly efficient noble metal free copper nickel oxysulfide nanoparticles for catalytic reduction of 4-nitrophenol, methyl blue, and rhodamine-B organic pollutants. New Journal of Chemistry, 2017, 41, 5628-5638.	1.4	110
5	N-doped mesoporous TiO 2 nanoparticles synthesized by using biological renewable nanocrystalline cellulose as template for the degradation of pollutants under visible and sun light. Chemical Engineering Journal, 2016, 295, 192-200.	6.6	108
6	Activating nickel iron layer double hydroxide for alkaline hydrogen evolution reaction and overall water splitting by electrodepositing nickel hydroxide. Chemical Engineering Journal, 2021, 419, 129608.	6.6	89
7	Synthesis of visible light responsive iodine-doped mesoporous TiO2 by using biological renewable lignin as template for degradation of toxic organic pollutants. Applied Catalysis B: Environmental, 2019, 252, 152-163.	10.8	87
8	Growth Characteristics of CVD Betaâ€Silicon Carbide. Journal of the Electrochemical Society, 1987, 134, 3145-3149.	1.3	86
9	Nanonization of g-C₃N₄with the assistance of activated carbon for improved visible light photocatalysis. RSC Advances, 2016, 6, 66814-66821.	1.7	74
10	Cationic S-doped TiO2/SiO2 visible-light photocatalyst synthesized by co-hydrolysis method and its application for organic degradation. Journal of Molecular Liquids, 2019, 273, 50-57.	2.3	71
11	A noble bimetal oxysulfide CuVOS catalyst for highly efficient catalytic reduction of 4-nitrophenol and organic dyes. RSC Advances, 2019, 9, 31828-31839.	1.7	70
12	Synthesis of efficient silica supported TiO2/Ag2O heterostructured catalyst with enhanced photocatalytic performance. Applied Surface Science, 2017, 410, 454-463.	3.1	67
13	Synthesis and photocatalytic activity of mesoporous TiO 2 nanoparticle using biological renewable resource of un-modified lignin as a template. Microporous and Mesoporous Materials, 2016, 223, 145-151.	2.2	66
14	High efficient noble metal free Zn(O,S) nanoparticles for hydrogen evolution. International Journal of Hydrogen Energy, 2017, 42, 5638-5648.	3.8	65
15	Nanoflower Bimetal CuInOS Oxysulfide Catalyst for the Reduction of Cr(VI) in the Dark. ACS Sustainable Chemistry and Engineering, 2017, 5, 4133-4143.	3.2	62
16	Control of Interfacial Properties through Fiber Coatings: Monazite Coatings in Oxideâ€“Oxide Composites. Journal of the American Ceramic Society, 1997, 80, 2987-2996.	1.9	59
17	Facile synthesis of SiO2@CuxO@TiO2 heterostructures for catalytic reductions of 4-nitrophenol and 2-nitroaniline organic pollutants. Applied Surface Science, 2017, 393, 110-118.	3.1	59
18	Highly Dispersed Metal Carbide on ZIFâ€Derived Pyridinicâ€Nâ€Doped Carbon for CO₂ Enrichment and Selective Hydrogenation. ChemSusChem, 2018, 11, 1040-1047.	3.6	59

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19	Plasma-enhanced chemical vapor deposition of silicon carbonitride using hexamethyldisilazane and nitrogen. Thin Solid Films, 2000, 374, 92-97.	0.8	56
20	Characterization of Yttrium Phosphate and a Yttrium Phosphate/Yttrium Aluminate Laminate. Journal of the American Ceramic Society, 1995, 78, 3121-3124.	1.9	55
21	Facile Synthesis of n-type (AgIn)_xZn_{2(1â€“x)}S₂/p-type Ag₂S Nanocomposite for Visible Light Photocatalytic Reduction To Detoxify Hexavalent Chromium. ACS Applied Materials & Interfaces, 2015, 7, 26941-26951.	4.0	54
22	The effect of the Cu+/Cu2+ ratio on the redox reactions by nanoflower CuNiOS catalysts. Chemical Engineering Science, 2019, 194, 105-115.	1.9	54
23	Chemically modified polyurethane-SiO2/TiO2 hybrid composite film and its reusability for photocatalytic degradation of Acid Black 1 (AB 1) under UV light. Applied Catalysis A: General, 2014, 475, 235-241.	2.2	53
24	Synthesis of a hierarchical structured NiO/NiS composite catalyst for reduction of 4-nitrophenol and organic dyes. RSC Advances, 2017, 7, 4353-4362.	1.7	51
25	A new V-doped Bi2(O,S)3 oxysulfide catalyst for highly efficient catalytic reduction of 2-nitroaniline and organic dyes. Chemosphere, 2017, 189, 21-31.	4.2	51
26	Synthesis of Ni nanoparticles decorated SiO2/TiO2 magnetic spheres for enhanced photocatalytic activity towards the degradation of azo dye. Applied Surface Science, 2015, 357, 433-438.	3.1	50
27	Facile Synthesis and Recyclability of Thin Nylon Film-Supported n-Type ZnO/p-Type Ag₂O Nano Composite for Visible Light Photocatalytic Degradation of Organic Dye. Journal of Physical Chemistry C, 2016, 120, 7144-7154.	1.5	50
28	Synthesis and characterization of La-doped Zn(O,S) photocatalyst for green chemical detoxification of 4-nitrophenol. Journal of Hazardous Materials, 2019, 363, 109-118.	6.5	50
29	Kinetics and microstructure of TiN coatings by CVD. Surface and Coatings Technology, 2001, 135, 150-157.	2.2	49
30	Biological renewable hemicellulose-template for synthesis of visible light responsive sulfur-doped TiO2 for photocatalytic oxidation of toxic organic and As(III) pollutants. Applied Surface Science, 2020, 525, 146531.	3.1	49
31	Single-step sputtered Cu2SnSe3 films using the targets composed of Cu2Se and SnSe2. Thin Solid Films, 2010, 518, 7218-7221.	0.8	48
32	Photocatalytic reduction of 4-nitrophenol using effective hole scavenger over novel Mg-doped Zn(O,S) nanoparticles. Journal of Industrial and Engineering Chemistry, 2019, 78, 116-124.	2.9	46
33	Fracture of multilayer oxide composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1998, 241, 241-250.	2.6	45
34	A comparison study of SiO 2 /nano metal oxide composite sphere for antibacterial application. Composites Part B: Engineering, 2018, 133, 166-176.	5.9	45
35	Depletion-Zone size control of p-type NiO/n-type Zn(O,S) nanodiodes on high-surface-area SiO2 nanoparticles as a strategy to significantly enhance hydrogen evolution rate. Applied Catalysis B: Environmental, 2020, 261, 118223.	10.8	45
36	Growth and properties of alumina films obtained by low-pressure metalâ€“organic chemical vapor deposition. Thin Solid Films, 2001, 398-399, 35-40.	0.8	44

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37	Synthesis and application of V2O5-CeO2 nanocomposite catalyst for enhanced degradation of methylene blue under visible light illumination. Chemosphere, 2019, 235, 935-944.	4.2	44
38	Catalytic reduction of organic and hexavalent chromium pollutants with highly active bimetal CuBiOS oxysulfide catalyst under dark. Separation and Purification Technology, 2020, 242, 116769.	3.9	42
39	Spherical nanoflower-like bimetallic (Mo,Ni)(S,O)3- sulfo-oxide catalysts for efficient hydrogen evolution under visible light. Applied Catalysis B: Environmental, 2021, 287, 119992.	10.8	42
40	Morphological evolution and structural properties of Cu2ZnSn(S,Se)4 thin films deposited from single ceramic target by a one-step sputtering process and selenization without H2Se. Journal of Alloys and Compounds, 2015, 642, 140-147.	2.8	41
41	Thermal conductive performance of organosoluble polyimide/BN and polyimide/(BN + ALN) composite films fabricated by a solutionâ€cast method. Polymer Composites, 2013, 34, 252-258.	2.3	39
42	Enhanced photocatalytic hydrogen production ofÂnoble-metal free Ni-doped Zn(O,S) in ethanol solution. International Journal of Hydrogen Energy, 2017, 42, 25891-25902.	3.8	38
43	Oriented pâ€“n Heterojunction Ag₂O/Zn(O,S) Nanodiodes on Mesoporous SiO₂ for Photocatalytic Hydrogen Production. ACS Applied Energy Materials, 2019, 2, 3228-3236.	2.5	38
44	Facile synthesis of cobalt-doped (Zn,Ni)(O,S) as an efficient photocatalyst for hydrogen production. Journal of the Energy Institute, 2019, 92, 1428-1439.	2.7	37
45	Electrical conduction and mobility enhancement in p-type In-doped Cu₂ZnSnSe₄ bulks. Japanese Journal of Applied Physics, 2014, 53, 035801.	0.8	36
46	Photocatalytic Performance of Ag and CuBiS₂ Nanoparticle-Coated SiO₂@TiO₂ Composite Sphere under Visible and Ultraviolet Light Irradiation for Azo Dye Degradation with the Assistance of Numerous Nano pâ€“n Diodes. Journal of Physical Chemistry C, 2015, 119, 13632-13641.	1.5	36
47	Highly enhanced photocatalytic Cr(<scp>vi</scp>) reduction using In-doped Zn(O,S) nanoparticles. New Journal of Chemistry, 2019, 43, 8746-8754.	1.4	36
48	Growth and properties of sputtered zirconia and zirconiaâ€“silica thin films. Thin Solid Films, 2003, 429, 40-45.	0.8	35
49	High-efficient n-type TiO2/p-type Cu2O nanodiode photocatalyst to detoxify hexavalent chromium under visible light irradiation. Journal of Materials Science, 2016, 51, 8209-8223.	1.7	35
50	A simple one-pot synthesis of a Zn(O,S)/Ga₂O₃ nanocomposite photocatalyst for hydrogen production and 4-nitrophenol reduction. New Journal of Chemistry, 2017, 41, 12397-12406.	1.4	35
51	Utilization of photocatalytic hydrogen evolved (Zn,Sn)(O,S) nanoparticles to reduce 4-nitrophenol to 4-aminophenol. International Journal of Hydrogen Energy, 2019, 44, 191-201.	3.8	35
52	Nanosheet bimetal oxysulfide CuSbOS catalyst for highly efficient catalytic reduction of heavy metal ions and organic dyes. Journal of Molecular Liquids, 2019, 275, 204-214.	2.3	35
53	A Strong and Damageâ€Tolerant Oxide Laminate. Journal of the American Ceramic Society, 1997, 80, 2421-2424.	1.9	34
54	A molybdenum sulfo-oxide/cobalt oxysulfide Z-scheme heterojunction catalyst for efficient photocatalytic hydrogen production and pollutant reduction. Journal of Materials Chemistry A, 2022, 10, 5328-5349.	5.2	34

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55	Chemical stability, microstructure and mechanical behavior of LaPO4-containing ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 210, 123-134.	2.6	33
56	Synthesis of Sn-WO3/g-C3N4 composites with surface activated oxygen for visible light degradation of dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 369, 133-141.	2.0	33
57	The improvement in ferroelectric performance of (Bi3.15Nd0.85)4Ti3O12 films by the addition of hydrogen peroxide in a spin-coating solution. Thin Solid Films, 2006, 515, 1683-1687.	0.8	32
58	Facile synthesis of heterostructured Ag-deposited SiO 2 @TiO 2 composite spheres with enhanced catalytic activity towards the photodegradation of AB 1 dye. Journal of Molecular Catalysis A, 2015, 396, 290-296.	4.8	32
59	The Effect of â€‰CHâ€‰4 on CVD Î²â€‰â€ê€‰SiC Growth. Journal of the Electrochemical Society, 1990, 137, 3688-3693.	3.9	31
60	Material design with the concept of solid solution-type defect engineering in realizing the conversion of an electrocatalyst of NiS2 into a photocatalyst for hydrogen evolution. Applied Catalysis B: Environmental, 2021, 298, 120542.	10.8	31
61	Characteristics of RF reactive sputter-deposited Pt/SiO2/n-InGaN MOS Schottky diodes. Materials Science in Semiconductor Processing, 2015, 30, 314-320.	1.9	30
62	Visible light response and superior dispersed S-doped TiO 2 nanoparticles synthesized via ionic liquid. Advanced Powder Technology, 2017, 28, 1213-1220.	2.0	30
63	10Ânm sized visible light TiO2 photocatalyst in the presence of MgO for degradation of methylene blue. Materials Science in Semiconductor Processing, 2020, 116, 105152.	1.9	30
64	Phase transformation of bimetal zinc nickel oxide to oxysulfide photocatalyst with its exceptional performance to evolve hydrogen. Applied Catalysis B: Environmental, 2020, 272, 118985.	10.8	30
65	Phase Stability of Chemically Derived Enstatite (MgSiO3) Powders. Journal of the American Ceramic Society, 1994, 77, 2625-2631.	1.9	28
66	Effects of growth temperature on electrical and structural properties of sputtered GaN films with a cermet target. Journal of Materials Science: Materials in Electronics, 2014, 25, 1404-1409.	1.1	28
67	Synthesis and characterizations of BiOCl nanosheets with controlled particle growth for efficient organic dyes degradation. Journal of Industrial and Engineering Chemistry, 2020, 83, 200-207.	2.9	28
68	Effect of post-deposition annealing on the performance of D.C. sputtered Cu2SnSe3 thin films. Surface and Coatings Technology, 2010, 205, S196-S200.	2.2	27
69	Schottky barrier characteristics of Pt contacts to all sputtering-made n-type GaN and MOS diodes. Journal of Materials Science: Materials in Electronics, 2014, 25, 3264-3270.	1.1	27
70	The performance of the donor and acceptor doping in the Cu-rich Cu2ZnSnSe4 bulks with different Zn/Sn ratios. Solid State Communications, 2013, 164, 42-46.	0.9	26
71	Process limitation for p-type CuSbS2 semiconductor with high electrical mobility of 20cm2Vâ^'1sâ^'1. Materials Research Bulletin, 2014, 53, 290-294.	2.7	26
72	Self-Protonated Ho-Doped Zn(O,S) as a Green Chemical-Conversion Catalyst to Hydrogenate Nitro to Amino Compounds. ACS Applied Materials & Interfaces, 2020, 12, 43761-43770.	4.0	26

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73	Zirconia and zirconiaâ€“silica thin films deposited by magnetron sputtering. Thin Solid Films, 2002, 420-421, 47-53.	0.8	25
74	Donor- and acceptor-cosubstituted BaTiO3 for nonreducible multilayer ceramic capacitors. Ceramics International, 2006, 32, 1-5.	2.3	25
75	Metal oxide composite thin films made by magnetron sputtering for bactericidal application. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 337, 151-164.	2.0	25
76	Electrical properties of RF-sputtered Zn-doped GaN films and p -Zn-GaN/ n -Si hetero junction diode with low leakage current of 10 âˆ'9 A and a high rectification ratio above 10 5. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 222, 18-25.	1.7	25
77	Ag-Decorated MoS_x Laminar-Film Electrocatalyst Made with Simple and Scalable Magnetron Sputtering Technique for Hydrogen Evolution: A Defect Model to Explain the Enhanced Electron Transport. ACS Applied Materials & Interfaces, 2020, 12, 35011-35021.	4.0	25
78	Growth and properties of titania and aluminum titanate thin films obtained by r.f. magnetron sputtering. Thin Solid Films, 2002, 420-421, 497-502.	0.8	24
79	Indium oxysulfide nanosheet photocatalyst for the hexavalent chromium detoxification and hydrogen evolution reaction. Journal of Materials Science, 2017, 52, 6249-6264.	1.7	24
80	Activated carbon supported CuSnOS catalyst with an efficient catalytic reduction of pollutants under dark condition. Journal of Molecular Liquids, 2021, 334, 116079.	2.3	24
81	Defects and Its Effects on Properties of Cu-Deficient Cu$_{2}$ZnSnSe$_{4}$ Bulks with Different Zn/Sn Ratios. Applied Physics Express, 2012, 5, 091201.	1.1	23
82	Material and technology developments of the totally sputtering-made p/n GaN diodes for cost-effective power electronics. Journal of Materials Science: Materials in Electronics, 2014, 25, 1942-1948.	1.1	23
83	The investigation of CuxZnSnSe4 bulks with x=1.4â€“2.2 for debating the Cu excess and Cu deficiency used in thin-film solar cells. Materials Research Bulletin, 2014, 49, 608-613.	2.7	23
84	Electrical and structural properties of Mg-doped InxGa1âˆ'xN (xâ‰0.1) and p-InGaN/n-GaN junction diode made all by RF reactive sputtering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 193, 13-19.	1.7	23
85	Facile synthesis of bimetallic (In,Ga)2(O,S)3 oxy-sulfide nanoflower and its enhanced photocatalytic activity for reduction of Cr(VI). Journal of Colloid and Interface Science, 2018, 530, 567-578.	5.0	23
86	Spherical porous SiO2 supported CuVOS catalyst with an efficient catalytic reduction of pollutants under dark condition. Journal of Molecular Liquids, 2020, 313, 113567.	2.3	23
87	Highly efficient Inâ€“Mo(O,S)2 oxy-sulfide for degradation of organic pollutants under visible light irradiation: An example of photocatalyst on its dye selectivity. Chemosphere, 2020, 254, 126823.	4.2	23
88	Mechanical behavior and microstructure of SiC and ceramics. Journal of the European Ceramic Society, 1998, 18, 51-57.	2.8	22
89	Effects of graphene oxide and sacrificial reagent for highly efficient hydrogen production with the costless Zn(O,S) photocatalyst. International Journal of Hydrogen Energy, 2019, 44, 29516-29528.	3.8	22
90	Mg dopant in Cu2ZnSnSe4: An n-type former and a promoter of electrical mobility up to 120cm2Vâˆ'1sâˆ'1. Journal of Solid State Chemistry, 2014, 215, 122-127.	1.4	21

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91	From the fluorescent lamp-induced bactericidal performance of sputtered Ag/TiO2 films to re-explore the photocatalytic mechanism. Applied Catalysis B: Environmental, 2016, 184, 191-200.	10.8	21
92	Multi-component (Cu,Mn)(Se,S) nanosheet catalysts for redox reactions in the dark. Separation and Purification Technology, 2019, 211, 71-80.	3.9	21
93	Biological renewable nanocellulose templated CeO2/TiO2 synthesis and its photocatalytic removal efficiency of pollutants. Journal of Molecular Liquids, 2021, 336, 116873.	2.3	21
94	Preparation and characterization of organosoluble polyimide/BaTiO3 composite films with mechanical- and chemical-treated ceramic fillers. Polymer Journal, 2012, 44, 1131-1137.	1.3	20
95	Characterization and electrical property of the Cu-deficient Cu2ZnSn(S,Se)4 bulks at different sulfur contents. Journal of Alloys and Compounds, 2013, 557, 142-146.	2.8	20
96	Electrical and structural characteristics of tin-doped GaN thin films and its hetero-junction diode made all by RF reactive sputtering. Materials Science in Semiconductor Processing, 2017, 59, 50-55.	1.9	20
97	Cobalt-doped Zn(O,S)/Ga₂O₃ nanoheterojunction composites for enhanced hydrogen production. New Journal of Chemistry, 2018, 42, 9626-9634.	1.4	20
98	Effects of Tin in Laâ€“Sn-Codoped Zn(O,S) Photocatalyst to Strongly Cleave the Azo Bond in Azobenzene with in Situ Generated Hydrogen. ACS Applied Materials & Interfaces, 2020, 12, 16186-16199.	4.0	20
99	Green synthesis of Co-doped ZnO via the accumulation of cobalt ion onto Eichhornia crassipes plant tissue and the photocatalytic degradation efficiency under visible light. Materials Research Express, 2021, 8, 025010.	0.8	20
100	Surface active sites of Y-doped Zn(O,S) for chemisorption and hydrogenation of azobenzene and nitroaromatic compounds under light via self-generated proton. Applied Surface Science, 2021, 552, 149508.	3.1	20
101	Simple room temperature synthesis of oxygen vacancy-rich and In-doped BiOBr nanosheet and its highly enhanced photocatalytic activity under visible-light irradiation. Journal of Physics and Chemistry of Solids, 2021, 156, 110132.	1.9	20
102	A new class of Tiâ€“Siâ€“Câ€“N coatings obtained by chemical vapor deposition, Part III: 650â€“800 Â°C process. Thin Solid Films, 2002, 419, 11-17.	0.8	19
103	Characterization and properties of r.f.-sputtered thin films of the aluminaâ€“titania system. Thin Solid Films, 2004, 460, 327-334.	0.8	19
104	CuMnOS Nanoflowers with Different Cu+/Cu2+ Ratios for the CO2-to-CH3OH and the CH3OH-to-H2 Redox Reactions. Scientific Reports, 2017, 7, 41194.	1.6	19
105	Growth and Properties of TiCl4-Derived CVD Titanium Oxide Films at Different CO2/H2 Inputs. Chemical Vapor Deposition, 2003, 9, 265-271.	1.4	18
106	Thick In x Ga1â^'x N Films Prepared by Reactive Sputtering with Single Cermet Targets. Journal of Electronic Materials, 2013, 42, 2445-2449.	1.0	18
107	Temperature dependence of electrical characteristics of n-In Ga1â^'N/p-Si hetero-junctions made totally by RF magnetron sputtering. Thin Solid Films, 2015, 589, 182-187.	0.8	18
108	Growth of p-type Cu-doped GaN films with magnetron sputtering at and below 400Â°C. Materials Science in Semiconductor Processing, 2015, 29, 288-293.	1.9	18

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109	Synthesis of (Sn,Zn)(O,S) bimetallic oxysulfide catalyst for the detoxification of Cr+6 in aqueous solution. Advanced Powder Technology, 2019, 30, 3099-3106.	2.0	18
110	Cesium tungsten bronze nanostructures and their highly enhanced hydrogen gas sensing properties at room temperature. International Journal of Hydrogen Energy, 2021, 46, 25752-25762.	3.8	18
111	The effects of hydrogen and temperature on the growth and microstructure of carbon nanotubes obtained by the Fe(CO)5 gas-phase-catalytic chemical vapor deposition. Surface and Coatings Technology, 2007, 201, 9172-9178.	2.2	17
112	Hole mobility enhancement of Cu-deficient Cu1.75Zn(Sn1â^'xAlx)Se4 bulks. Journal of Solid State Chemistry, 2013, 206, 134-138.	1.4	17
113	Effects of sintering temperature and duration on the structural and electrical properties of CuBiS2 bulks. Journal of Solid State Chemistry, 2015, 230, 237-242.	1.4	17
114	Thin film solar cell based on p-CuSbS2 together with Cd-free GaN/InGaN bilayer. Journal of Materials Science: Materials in Electronics, 2017, 28, 2996-3003.	1.1	17
115	Synthesis of oxy-sulfide based nanocomposite catalyst for visible light-driven reduction of Cr(VI). Environmental Research, 2019, 172, 279-288.	3.7	17
116	Amorphous-Ni(OH)₂ on a Vertically Grown Lamellar Ag-Modified MoS_x Thin-Film Electrode with Surface Defects for Hydrogen Production in Alkaline Solutions. ACS Applied Energy Materials, 2021, 4, 3869-3880.	2.5	17
117	Activated carbon-supported AgMoOS bimetallic oxysulfide as a catalyst for the photocatalytic hydrogen evolution and pollutants reduction. Journal of Alloys and Compounds, 2022, 913, 165287.	2.8	17
118	Photoluminescence characterization of vertically aligned ZnO microrods. Journal of Luminescence, 2012, 132, 1890-1895.	1.5	16
119	Mg dopant in Cu2SnSe3: An n-type former and a promoter of electrical mobility up to 387cm2Vâ^'1sâ^'1. Journal of Solid State Chemistry, 2014, 218, 44-49.	1.4	16
120	Enhancing the photodegradation of charged pollutants under visible light in Ag2O/g-C3N4 catalyst by Coulombic interaction. Journal of Materials Science, 2017, 52, 5147-5154.	1.7	16
121	Characterization of Ag-doped Cu2ZnSnSe4 bulks material and their application as thin film semiconductor in solar cells. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 225, 45-53.	1.7	16
122	Abiotic Synthesis with the C-C Bond Formation in Ethanol from CO2 over (Cu,M)(O,S) Catalysts with Mâ€‰=â€‰Ni, Sn, and Co. Scientific Reports, 2017, 7, 10094.	1.6	16
123	A novel Sb-doped Mo(O,S)3 oxy-sulfide photocatalyst for degradation of methylene blue dye under visible light irradiation. Journal of Alloys and Compounds, 2019, 797, 986-994.	2.8	16
124	Universal and highly efficient degradation performance of novel Bi2(O,S)3/Mo(O,S)2 nanocomposite photocatalyst under visible light. Separation and Purification Technology, 2020, 247, 117042.	3.9	16
125	Biotemplated Synthesis of Titanium Oxide Nanoparticles in the Presence of Root Extract of Kniphofia schemperi and Its Application for Dye Sensitized Solar Cells. International Journal of Photoenergy, 2021, 2021, 1-12.	1.4	16
126	Zn-Ce-Ga trimetal oxysulfide as a dual-functional catalyst: Hydrogen evolution and hydrogenation reactions in a mild condition. Applied Surface Science, 2021, 563, 150383.	3.1	16

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127	Visible light driven Nd2O3/Mo(S,O)3-xÂ·0.34H2O heterojunction for enhanced photocatalytic degradation of organic pollutants. Applied Surface Science, 2021, 569, 151091.	3.1	16
128	Structural and electrical properties of Si- and Ti-doped Cu2SnSe3 bulks. Journal of Solid State Chemistry, 2015, 227, 239-246.	1.4	15
129	Recyclability of thin nylon film-supported p-CuBiS2/n-TiO2 heterojunction-based nanocomposites for visible light photocatalytic degradation of organic dye. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	15
130	Preparation of CuSbS2 Thin Films by Co-Sputtering and Solar Cell Devices with Band Gap-Adjustable n-Type InGaN as a Substitute of ZnO. Journal of Electronic Materials, 2016, 45, 688-694.	1.0	15
131	N‾N bond cleavage of azobenzene via photocatalytic hydrogenation with Dy-doped Zn(O,S): the progress from hydrogen evolution to green chemical conversion. Catalysis Science and Technology, 2019, 9, 2651-2663.	2.1	15
132	Amorphous aluminum silicate films by metal-organic chemical vapor deposition using aluminum-tri-sec-butoxide and tetraethyl orthosilicate. Journal of Non-Crystalline Solids, 2003, 324, 159-171.	1.5	14
133	Synthesis and characterization of vanadium-doped Mo(O,S)₂ oxysulfide for efficient photocatalytic degradation of organic dyes. New Journal of Chemistry, 2020, 44, 19868-19879.	1.4	14
134	Native defects and their effects on properties of sputtered InN films. Applied Physics Letters, 2008, 93, 164105.	1.5	13
135	Effects of the metallic target compositions on the absorber properties and the performance of Cu2ZnSnSe4 solar cell devices fabricated on TiN-coated Mo/glass substrates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 186, 94-100.	1.7	13
136	Photocatalytic performance of the SiO2 sphere/n-type TiO2/p-type CuBiS2 composite catalysts coated with different contents of Ag nanoparticles under ultraviolet and visible light irradiations. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	13
137	Electrical and structural characteristics of Ge-doped GaN thin films and its hetero-junction diode made all by RF reactive sputtering. Materials Science in Semiconductor Processing, 2018, 74, 336-341.	1.9	13
138	LiSnOS/gel polymer hybrid electrolyte for the safer and performance-enhanced solid-state LiCoO2/Li lithium-ion battery. Journal of Power Sources, 2019, 429, 89-96.	4.0	13
139	Influence of Mg doping on electrical properties of Cu(In,Ga)Se2 bulk materials. Journal of Alloys and Compounds, 2014, 582, 547-551.	2.8	12
140	Reactively Sputtered Sb-GaN Films and its Hetero-Junction Diode: The Exploration of the n-to-p Transition. Coatings, 2020, 10, 210.	1.2	12
141	Highly Efficient MoS2/CsxWO3 Nanocomposite Hydrogen Gas Sensors. Frontiers in Materials, 2022, 9, .	1.2	12
142	Biogenic Synthesis of Cu-Doped ZnO Photocatalyst for the Removal of Organic Dye. Bioinorganic Chemistry and Applications, 2022, 2022, 1-10.	1.8	12
143	Th4+ donorâ^•Mg2+ acceptor-cosubstituted (Bi,Nd)4Ti3O12 films with excellent ferroelectric properties. Applied Physics Letters, 2005, 86, 032910.	1.5	11
144	Fast Rate Growth of Organized Carbon Nanotubes by CVD Using Iron Pentacarbonyl as Gas-Phase Catalyst. Chemical Vapor Deposition, 2006, 12, 395-402.	1.4	11

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