

Mohamed Trari

List of Publications by Year in descending order

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420
papers

9,927
citations

38660

50
h-index

85405

71
g-index

429
all docs

429
docs citations

429
times ranked

8499
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic and equilibrium studies of cobalt adsorption on apricot stone activated carbon. Journal of Industrial and Engineering Chemistry, 2014, 20, 745-751.	2.9	189
2	Adsorption of Zn ²⁺ ions onto NaA and NaX zeolites: Kinetic, equilibrium and thermodynamic studies. Journal of Hazardous Materials, 2010, 173, 637-646.	6.5	161
3	Thermodynamic and kinetics studies on adsorption of Indigo Carmine from aqueous solution by activated carbon. Microchemical Journal, 2019, 144, 180-189.	2.3	145
4	Visible light induced hydrogen evolution on new hetero-system ZnFe ₂ O ₄ /SrTiO ₃ . Applied Energy, 2010, 87, 2230-2236.	5.1	142
5	Kinetic, equilibrium and thermodynamic study on the removal of Congo Red from aqueous solutions by adsorption onto apricot stone. Chemical Engineering Research and Design, 2015, 98, 424-436.	2.7	138
6	Synthesis and characterization of microporous activated carbon from coffee grounds using potassium hydroxides. Journal of Cleaner Production, 2017, 147, 254-262.	4.6	121
7	Occurrence, fate and removal efficiencies of pharmaceuticals in wastewater treatment plants (WWTPs) discharging in the coastal environment of Algiers. Comptes Rendus Chimie, 2016, 19, 963-970.	0.2	113
8	Preparation and characterization of activated carbon from wild olive cores (oleaster) by H ₃ PO ₄ for the removal of Basic Red 46. Journal of Cleaner Production, 2013, 54, 296-306.	4.6	112
9	Photocatalytic hydrogen evolution over CuCrO ₂ . Solar Energy, 2006, 80, 272-280.	2.9	111
10	Photoassisted hydrogen evolution over spinel CuM ₂ O ₄ (M=Al, Cr, Mn, Fe and Co). Renewable Energy, 2006, 31, 2245-2256.	4.3	109
11	CuAlO ₂ /TiO ₂ heterojunction applied to visible light H ₂ production. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 186, 242-247.	2.0	109
12	Visible light induced hydrogen on the novel hetero-system CuFe ₂ O ₄ /TiO ₂ . Energy Conversion and Management, 2011, 52, 2800-2806.	4.4	106
13	Photocatalytic reduction of Cr(VI) on the novel hetero-system CuFe ₂ O ₄ /CdS. Journal of Hazardous Materials, 2011, 185, 1398-1404.	6.5	104
14	Visible light hydrogen production on the novel ferrite NiFe ₂ O ₄ . International Journal of Hydrogen Energy, 2013, 38, 6335-6343.	3.8	103
15	Hydrogen photoproduction from hydrogen sulfide on Bi ₂ S ₃ catalyst. Solar Energy Materials and Solar Cells, 2002, 73, 339-350.	3.0	101
16	Photocatalytic hydrogen evolution over delafossite. International Journal of Hydrogen Energy, 2005, 30, 693-699.	3.8	101
17	Photocatalytic hydrogen production from suspension of spinel powders AMn ₂ O ₄ (A=Cu and Zn). International Journal of Hydrogen Energy, 2002, 27, 357-362.	3.8	98
18	Magnetically separable MnFe ₂ O ₄ /TA/ZnO nanocomposites for photocatalytic degradation of Congo Red under visible light. Journal of Magnetism and Magnetic Materials, 2020, 497, 165994.	1.0	97

#	ARTICLE	IF	CITATIONS
19	Visible light induced hydrogen evolution over the heterosystem Bi ₂ S ₃ /TiO ₂ . <i>Catalysis Today</i> , 2007, 122, 62-65.	2.2	92
20	Comparative study on removal of two basic dyes in aqueous medium by adsorption using activated carbon from <i>Ziziphus lotus</i> stones. <i>Microchemical Journal</i> , 2019, 146, 1010-1018.	2.3	92
21	A kinetic, equilibrium and thermodynamic study of l-phenylalanine adsorption using activated carbon based on agricultural waste (date stones). <i>Journal of Applied Research and Technology</i> , 2016, 14, 354-366.	0.6	85
22	Physical and photo-electrochemical characterizations of $\hat{I}\pm$ -Fe ₂ O ₃ . Application for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4268-4274.	3.8	84
23	Photocatalytic reduction of Cr(VI) on nanosized Fe ₂ O ₃ supported on natural Algerian clay: Characteristics, kinetic and thermodynamic study. <i>Chemical Engineering Journal</i> , 2012, 200-202, 611-618.	6.6	84
24	Characterization of new heterosystem CuFeO ₂ /SnO ₂ application to visible-light induced hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 4274-4282.	3.8	83
25	Improvement of eosin visible light degradation using PbS-sensitized TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 194, 173-180.	2.0	79
26	Photocatalytic reduction of Cr(VI) on the new hetero-system CuAl ₂ O ₄ /TiO ₂ . <i>Journal of Hazardous Materials</i> , 2011, 186, 1124-1130.	6.5	79
27	Adsorption of methyl orange on nanoparticles of a synthetic zeolite NaA/CuO. <i>Comptes Rendus Chimie</i> , 2015, 18, 336-344.	0.2	76
28	Visible light degradation of Orange II using xCu _y O _z /TiO ₂ heterojunctions. <i>Journal of Hazardous Materials</i> , 2009, 168, 484-492.	6.5	72
29	Removal of heavy metals by chitin: equilibrium, kinetic and thermodynamic studies. <i>Applied Water Science</i> , 2019, 9, 1.	2.8	71
30	p-Cu ₂ O/n-ZnO heterojunction applied to visible light Orange II degradation. <i>Solar Energy</i> , 2010, 84, 1187-1192.	2.9	69
31	Optical and transport properties of lanthanum-doped stannate BaSnO ₃ . <i>Journal Physics D: Applied Physics</i> , 2007, 40, 5833-5839.	1.3	67
32	Photoelectrochemical H ₂ -generation over Spinel FeCr ₂ O ₄ in X ₂ ²⁺ solutions (X ₂ ²⁺ =S ₂ ²⁺ and). <i>Applied Energy</i> , 2009, 86, 1080-1086.	5.1	67
33	Cu ₂ S/TiO ₂ heterojunction applied to visible light Orange II degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 248, 15-23.	2.0	64
34	A new hetero-junction p -CuO/ n -ZnO for the removal of amoxicillin by photocatalysis under solar irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 254-265.	2.7	64
35	Reduction of chromium (VI) on the hetero-system CuBi ₂ O ₄ /TiO ₂ under solar light. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 254-259.	1.9	60
36	Physical and photoelectrochemical characterizations of hematite $\hat{I}\pm$ -Fe ₂ O ₃ : Application to photocatalytic oxygen evolution. <i>Solar Energy</i> , 2010, 84, 715-721.	2.9	59

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37	Structural and optical properties of Cu-substitution of NiAl ₂ O ₄ and their photocatalytic activity towards Congo red under solar light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 542-550.	2.0	59
38	Structural and photochemical properties of Fe-doped ZrO ₂ and their application as photocatalysts with TiO ₂ for chromate reduction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112105.	2.0	59
39	p-Type CuYO ₂ as hydrogen photocathode. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 190-202.	3.0	58
40	Hydrogen photoproduction over new catalyst CuLaO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 97-104.	2.0	58
41	Photocatalytic reduction of cadmium over CuFeO ₂ synthesized by sol-gel. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 201, 62-68.	2.0	58
42	Photocatalytic reduction of Cr(VI) on the new hetero-system CuCr ₂ O ₄ /ZnO. <i>Journal of Molecular Catalysis A</i> , 2012, 353-354, 74-79.	4.8	58
43	Hydrogen evolution under visible light over LaCoO ₃ prepared by chemical route. <i>Energy Conversion and Management</i> , 2014, 82, 244-249.	4.4	58
44	Synthesis, physical and photo electrochemical characterization of La-doped SrSnO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1491-1499.	1.9	55
45	Optical and transport properties of Sn-doped ZnMn ₂ O ₄ prepared by sol-gel method. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 89, 69-77.	1.9	55
46	Structure, optical and transport properties of Mg-doped ZnMn ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2016, 655, 188-197.	2.8	55
47	Hydrogen photo-evolution over the spinel CuCr ₂ O ₄ . <i>Energy Conversion and Management</i> , 2009, 50, 62-68.	4.4	54
48	Removal of gentian violet in aqueous solution by activated carbon equilibrium, kinetics, and thermodynamic study. <i>Adsorption Science and Technology</i> , 2019, 37, 566-589.	1.5	54
49	Electrochemical and photoelectrochemical characterization of CuFeO ₂ single crystal. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1395-1401.	1.2	52
50	Visible light-induced hydrogen over CuFeO ₂ via S ₂ O ₃ ²⁻ oxidation. <i>Solar Energy</i> , 2005, 78, 574-580.	2.9	51
51	Coupling adsorption with photocatalysis process for the Cr(VI) removal. <i>Desalination</i> , 2011, 270, 166-173.	4.0	51
52	Photocatalytic degradation of methyl orange on the novel hetero-system La ₂ NiO ₄ /ZnO under solar light. <i>Chemical Physics Letters</i> , 2020, 742, 137132.	1.2	51
53	Photoelectrochemical properties of doped polyaniline: Application to hydrogen photoproduction. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6593-6599.	3.8	50
54	Photoelectrochemical characterization of the delafossite CuFeO ₂ : Application to removal of divalent metals ions. <i>Journal of Electroanalytical Chemistry</i> , 2008, 614, 31-40.	1.9	48

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55	Visible light assisted decolorization of azo dyes: Direct Red 16 and Direct Blue 71 in aqueous solution on the p-CuFeO ₂ /n-ZnO system. <i>Journal of Molecular Catalysis A</i> , 2014, 393, 156-165.	4.8	48
56	Biosorption of cationic dye from aqueous solutions onto lignocellulosic biomass (<i>Luffa cylindrica</i>): characterization, equilibrium, kinetic and thermodynamic studies. <i>International Journal of Industrial Chemistry</i> , 2016, 7, 167-180.	3.1	48
57	Effect of the Ni/Al ratio of hydrotalcite-type catalysts on their performance in the methane dry reforming process. <i>Applied Petrochemical Research</i> , 2016, 6, 1-13.	1.3	48
58	Preparation and physical properties of the solid solutions Cu _{1+x} Mn _{1-x} O ₂ (). <i>Journal of Solid State Chemistry</i> , 2005, 178, 2751-2758.	1.4	46
59	NO ₃ ⁻ removal with a new delafossite CuCrO ₂ photocatalyst. <i>Desalination</i> , 2009, 244, 144-152.	4.0	46
60	Preparation and characterization of lanthanum doped BaSnO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 1994, 55, 1239-1243.	1.9	45
61	Hydrogen production on the new hetero-system Pr ₂ NiO ₄ /SnO ₂ under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1719-1728.	3.8	44
62	Photocatalysis of rhodamine B and methyl orange degradation under solar light on ZnO and Cu ₂ O thin films. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 129, 1115-1130.	0.8	44
63	Photocatalytic removal of M ²⁺ (Ni ²⁺ , Cu ²⁺ , Zn ²⁺ , Cd ²⁺ , Hg ²⁺ and Ag ⁺) over new catalyst CuCrO ₂ . <i>Journal of Hazardous Materials</i> , 2008, 158, 257-263.	6.5	43
64	Physical and photoelectrochemical properties of the spinel LiMn ₂ O ₄ and its application in photocatalysis. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 118, 62-67.	1.9	42
65	Photocatalytic reduction of Cr(VI) onto the spinel CaFe ₂ O ₄ nanoparticles. <i>Optik</i> , 2020, 223, 165610.	1.4	42
66	Physical and photoelectrochemical studies for hydrogen photo-evolution over the spinel ZnCr ₂ O ₄ . <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4963-4967.	3.8	41
67	Physical and photoelectrochemical properties of the spinel ZnCr ₂ O ₄ prepared by sol gel: Application to Orange II degradation under solar light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 290-295.	2.0	40
68	Structural and optical properties of Cu-doped ZnAl ₂ O ₄ and its application as photocatalyst for Cr(VI) reduction under sunlight. <i>Surfaces and Interfaces</i> , 2020, 18, 100406.	1.5	39
69	Synthesis and Characterization of ZnBi ₂ O ₄ Nanoparticles: Photocatalytic Performance for Antibiotic Removal under Different Light Sources. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3975.	1.3	39
70	Structural and electrochemical characterizations of Bi ₁₂ CoO ₂₀ sillenite crystals: degradation and reduction of organic and inorganic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16411-16420.	1.1	39
71	Enhanced photocatalytic reduction of Cr(VI) by the novel hetero-system BaFe ₂ O ₄ /SnO ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2022, 160, 110315.	1.9	38
72	Investigation on photoelectrochemical and pseudo-capacitance properties of the non-stoichiometric hematite 1±-Fe ₂ O ₃ elaborated by sol-gel. <i>Electrochimica Acta</i> , 2013, 111, 869-875.	2.6	37

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73	Hydrogen evolution under visible light over the solid solution NiFe ₂ xMnxO ₄ prepared by sol gel. International Journal of Hydrogen Energy, 2015, 40, 12611-12618.	3.8	37
74	Valorization of coffee grounds into activated carbon using physical chemical activation by KOH/CO ₂ . Journal of Environmental Chemical Engineering, 2017, 5, 5061-5066.	3.3	36
75	The removal and adsorption mechanisms of free amino acid L-tryptophan from aqueous solution by biomass-based activated carbon by H ₃ PO ₄ activation: Regeneration study. Physics and Chemistry of the Earth, 2019, 114, 102791.	1.2	36
76	Removal of Methylene Blue in Aqueous Solution by Economic Adsorbent Derived from Apricot Stone Activated Carbon. Fibers and Polymers, 2020, 21, 810-820.	1.1	36
77	Visible light CrO ₄ ²⁻ reduction using the new CuAlO ₂ /CdS hetero-system. Journal of Hazardous Materials, 2012, 219-220, 19-25.	6.5	35
78	Influence of the film thickness on the photovoltaic properties of chemically deposited CdS thin films: Application to the photodegradation of orange II. Materials Science in Semiconductor Processing, 2014, 21, 186-193.	1.9	35
79	Synthesis and characterization of oxygen-rich delafossite CuYO ₂ x Application to H ₂ -photo production. Solar Energy Materials and Solar Cells, 2007, 91, 1102-1109.	3.0	34
80	The transport and photo electrochemical properties of La-doped stannate BaSnO ₃ . Journal of Alloys and Compounds, 2008, 461, 360-366.	2.8	34
81	Visible light photocatalytic reduction of water using SrSnO ₃ sensitized by CuFeO ₂ . Theoretical and Experimental Chemistry, 2009, 45, 172-179.	0.2	34
82	Electrical, optical and photoelectrochemical properties of BaSnO ₃ . Journal of Alloys and Compounds, 2010, 505, 592-597.	2.8	34
83	Synthesis and characterization of semiconductor CoAl ₂ O ₄ for optical and dielectric studies: Application to photodegradation of organic pollutants under visible light. Optik, 2020, 219, 165038.	1.4	34
84	Cadmium (II) and lead (II) transport in a polymer inclusion membrane using tributyl phosphate as mobile carrier and CuFeO ₂ as a polarized photo electrode. Journal of Hazardous Materials, 2010, 180, 493-498.	6.5	33
85	Preparation, characterization and application of CuCrO ₂ /ZnO photocatalysts for the reduction of Cr(VI). Journal of Environmental Sciences, 2012, 24, 2173-2179.	3.2	33
86	Thermal-frequency dependence study of the sub-band localized states effect in Sb-doped SnO ₂ based sol-gel thin films. Thin Solid Films, 2017, 632, 66-72.	0.8	33
87	Photo-catalytic hydrogen production over Fe ₂ O ₃ based catalysts. International Journal of Hydrogen Energy, 2010, 35, 7684-7689.	3.8	32
88	Photoassisted hydrogen production under visible light over NiO/ZnO hetero-system. Applied Energy, 2011, 88, 4490-4495.	5.1	32
89	In situ DRIFTS studies of high-temperature water-gas shift reaction on chromium-free iron oxide catalysts. Comptes Rendus Chimie, 2011, 14, 534-538.	0.2	32
90	Relevance of a hybrid process coupling adsorption and visible light photocatalysis involving a new hetero-system CuCo ₂ O ₄ /TiO ₂ for the removal of hexavalent chromium. Journal of Environmental Chemical Engineering, 2015, 3, 548-559.	3.3	32

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91	Synthesis and semiconducting properties of Na ₂ MnPO ₄ F. Application to degradation of Rhodamine B under UV-light. <i>Materials Science in Semiconductor Processing</i> , 2016, 51, 1-7.	1.9	32
92	Transport properties in Sb-doped SnO ₂ thin films: Effect of UV illumination and temperature dependence. <i>Materials Science in Semiconductor Processing</i> , 2019, 89, 97-104.	1.9	32
93	Synthesis, physical and photo-electrochemical properties of Gd ₂ CuO ₄ . <i>Journal of Alloys and Compounds</i> , 2020, 816, 152629.	2.8	32
94	The physical and photo electrochemical characterization of the crednerite CuMnO ₂ . <i>Journal of Materials Science</i> , 2007, 42, 6469-6476.	1.7	31
95	Photoelectrochemical hydrogen-evolution over p-type chalcopyrite CuInSe ₂ . <i>Journal of Alloys and Compounds</i> , 2009, 476, 584-589.	2.8	31
96	(S,C) co-doped ZnO properties and enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2020, 505, 144541.	3.1	31
97	Characterization of CuCo ₂ O ₄ Prepared by Nitrate Route: Application to Ni ²⁺ reduction under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112728.	2.0	31
98	Room Temperature Chemical Oxidation of Delafossite-Type Oxides. <i>Journal of Solid State Chemistry</i> , 1994, 111, 104-110.	1.4	30
99	Photoelectrochemical characterization of the synthetic crednerite CuMnO ₂ . <i>Journal of Applied Electrochemistry</i> , 2011, 41, 867-872.	1.5	30
100	Synthesis and physical properties of the CuFe _{2-2x} Mn _x O ₄ (0 ≤ x ≤ 2) solid solution. <i>Materials Chemistry and Physics</i> , 2014, 148, 734-743.	2.0	30
101	Effects of CuO film thickness on electrical properties of CuO/ZnO and CuO/ZnS hetero-junctions. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 840-847.	1.9	30
102	Electrochemical properties of the scheelite BaWO ₄ prepared by co-precipitation: Application to electro-photocatalysis of ibuprofen degradation. <i>Materials Science in Semiconductor Processing</i> , 2019, 91, 108-114.	1.9	30
103	Photocatalytic hydrogen production on the hetero-junction CuO/ZnO. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 37556-37563.	3.8	30
104	Insights into the optical and electrochemical features of CuAl ₂ O ₄ nanoparticles and its use for methyl violet oxidation under sunlight exposure. <i>Optical Materials</i> , 2022, 126, 112198.	1.7	30
105	Elaboration and characterization of poly (acrylic acid-co-crotonic acid) copolymers: Application to extraction of metal cations Pb(II), Cd(II) and Hg(II) by complexation in aqueous media. <i>Reactive and Functional Polymers</i> , 2008, 68, 483-491.	2.0	29
106	Physical properties of the delafossite LaCuO ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 1132-1136.	1.9	29
107	Relaxor ferroelectric and photo-electrochemical properties of lead-free Ba _{1-x} Eu _{2x/3} (Ti _{0.75} Zr _{0.25})O ₃ ceramics. Application to chromate reduction. <i>Solar Energy</i> , 2014, 99, 291-298.	2.9	29
108	Assessment of electrocoagulation based on nitrate removal, for treating and recycling the Saharan groundwater desalination reverse osmosis concentrate for a sustainable management of Albién resource. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102951.	3.3	29

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127	Characterization of LaNiO ₃ prepared by sol-gel: Application to hydrogen evolution under visible light. <i>Materials Chemistry and Physics</i> , 2012, 132, 625-630.	2.0	25
128	Characterization of a copper phosphate triazole metal organic framework material (Cu ₃ PO ₄ (C ₂ N ₃ H ₂) ₂ OH) and oxygen evolution studies. <i>Materials Science in Semiconductor Processing</i> , 2014, 23, 144-150.	1.9	25
129	Solar photodegradation of a textile azo dye using synthesized ZnO/Bentonite. <i>Water Science and Technology</i> , 2017, 75, 1211-1220.	1.2	25
130	Visible light induced H ₂ evolution on the spinel NiAl ₂ O ₄ prepared by nitrate route. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 26652-26658.	3.8	25
131	Electrochemical growth of tin(II) oxide films: Application in photocatalytic degradation of methylene blue. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 554-560.	1.9	24
132	Photo-electrochemical and physical characterizations of a new single crystal POM-based material. Application to Rhodamine B photodegradation. <i>Solar Energy Materials and Solar Cells</i> , 2016, 147, 46-52.	3.0	24
133	Semiconducting properties of hydrothermally synthesized libethenite application to orange G photodegradation. <i>Materials Science in Semiconductor Processing</i> , 2016, 41, 470-479.	1.9	24
134	Hydrogen evolution under visible light illumination on the solid solution Cd _x Zn _{1-x} S prepared by ultrasound-assisted route. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10301-10308.	3.8	24
135	The photocatalytic hydrogen formation and NO ₂ ⁻ oxidation on the hetero-junction Ag/NiFe ₂ O ₄ prepared by chemical route. <i>Renewable Energy</i> , 2020, 145, 2615-2620.	4.3	24
136	Synthesis, optical and photo-electrochemical properties of NiBi ₂ O ₄ and its photocatalytic activity under solar light irradiation. <i>Optik</i> , 2020, 207, 163762.	1.4	24
137	Hydrogen production via methane decomposition over nickel supported on synthesized ZSM-5/MCM-41 zeolite composite material. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 28501-28512.	3.8	24
138	reduction on the novel heterosystem La ₂ CuO ₄ /SnO ₂ under solar light. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 744-750.	1.3	23
139	Synthesis and characterization of the spinel ZnFe ₂ O ₄ , application to the chromate reduction under visible light. <i>Environmental Technology and Innovation</i> , 2016, 5, 127-135.	3.0	23
140	Dialysis and photo-electrodialysis processes using new synthesized polymeric membranes for the selective removal of bivalent cations. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1037-1047.	3.3	23
141	An assembled poly-4-vinyl pyridine and cellulose triacetate membrane and Bi ₂ S ₃ electrode for photoelectrochemical diffusion of metallic ions. <i>Journal of Hazardous Materials</i> , 2009, 169, 195-202.	6.5	22
142	Physical properties of NxTiO ₂ prepared by sol-gel route. <i>Physica B: Condensed Matter</i> , 2012, 407, 3897-3904.	1.3	22
143	Photo-electrochemical characterization of polypyrrol: Application to visible light induced hydrogen production. <i>Solar Energy Materials and Solar Cells</i> , 2013, 114, 199-204.	3.0	22
144	Preparation of nanostructured PbS thin films as sensing element for NO ₂ gas. <i>Applied Surface Science</i> , 2014, 305, 740-746.	3.1	22

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145	Synthesis and semiconducting properties of tin(II) sulfide: Application to photocatalytic degradation of Rhodamine B under sun light. <i>Materials Chemistry and Physics</i> , 2017, 195, 229-235.	2.0	22
146	Hydrogen production under visible illumination on the spinel NiMn ₂ O ₄ prepared by sol gel. <i>Solar Energy</i> , 2018, 166, 220-225.	2.9	22
147	Modeling biosorption of Cr(VI) onto <i>Ulva compressa</i> L. from aqueous solutions. <i>Water Science and Technology</i> , 2018, 77, 60-69.	1.2	22
148	Chromate reduction on the novel hetero-system LiMn ₂ O ₄ /SnO ₂ catalyst under solar light irradiation. <i>Surfaces and Interfaces</i> , 2019, 17, 100372.	1.5	22
149	Response surface methodology for the optimization of acid dye adsorption onto activated carbon prepared from wild date stones. <i>Applied Water Science</i> , 2019, 9, 1.	2.8	22
150	Preparation and characterization of 5%Ni/ ^γ -Al ₂ O ₃ catalysts by complexation with NH ₃ derivatives active in methane steam reforming. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9949-9958.	3.8	22
151	Visible light induced H ₂ evolution on the hetero-junction Pt/CuCo ₂ O ₄ prepared by hydrothermal route. <i>Solar Energy</i> , 2020, 211, 971-976.	2.9	22
152	Bulk p-CuInSe ₂ photo-electrochemical solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 594-600.	3.0	21
153	Visible Light Induced NO ₂ Removal Over CuCrO ₂ Catalyst. <i>Water, Air, and Soil Pollution</i> , 2009, 199, 115-122.	1.1	21
154	Photocatalytic hydrogen evolution on new mesoporous material Bi ₂ S ₃ /Y-zeolite. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2070-2078.	3.8	21
155	Photocatalytic degradation of orange II on the novel hetero-system WS ₂ /TiO ₂ under UV light. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 115, 389-400.	0.8	21
156	Photoelectrochemical properties of CaWO ₄ synthesized by chemical route. Application to the phenobarbital electro-photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 36-41.	2.0	21
157	Effect of Sb doping on the transport and electrochemical properties of partially amorphous SnO ₂ thin films. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 638-646.	1.9	21
158	Rhodamine (B) photocatalysis under solar light on high crystalline ZnO films grown by home-made DC sputtering. <i>Optik</i> , 2018, 174, 77-85.	1.4	21
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