Pathiyamattom Sebastian

List of Publications by Year in Descending Order

152 papers	3,556 citations	31 h-index	54 g-index
157 ext. papers	3,885 ext. citations	4.8 avg, IF	5.08 L-index

#	Paper	IF	Citations
152	Improvement of biofilm formation for application in a single chamber microbial electrolysis cell. *Fuel Cells*, **2021**, 21, 317	2.9	0
151	Preparation of a heterogeneous catalyst from moringa leaves as a sustainable precursor for biodiesel production. *Fuel*, **2021**, 284, 118983	7.1	28
150	Energy and nutrients recovery from wastewater cultivated microalgae: Assessment of the impact of wastewater dilution on biogas yield. *Bioresource Technology*, **2021**, 341, 125755	11	5
149	Microwave-assisted chemical synthesis of Zn2SnO4 nanoparticles. *Materials Science in Semiconductor Processing*, **2020**, 108, 104878	4.3	5
148	Role of nanoparticles on microalgal cultivation: A review. *Fuel*, **2020**, 280, 118598	7.1	21
147	Electricity Production in a Two Chamber Microbial Fuel Cell with Bioanodes and Biocathodes Catalyzed with Gold. *Fuel Cells*, **2020**, 20, 762-768	2.9	1
146	Bioethanol production from Ataulfo mango supplemented with vermicompost leachate. *Catalysis Today*, **2020**, 353, 173-179	5.3	3
145	Heterogeneous Esterification of Waste Cooking Oil with Sulfated Titanium Dioxide (STi). *Bioenergy Research*, **2019**, 12, 653-664	3.1	4
144	Optimization of Hydrogen Yield from the Anaerobic Digestion of Crude Glycerol and Swine Manure. *Catalysts*, **2019**, 9, 316	4	1
143	Studies on the physical and electrochemical properties of Ni-P coating on commercial aluminum as bipolar plate in PEMFC. *Fuel*, **2019**, 235, 1361-1367	7.1	18
142	Effect of temperature and pH on direct chemical bath deposition of cuprous oxide thin films. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 15535-15545	2.1	11
141	Density Functional study on the transesterification of triacetin assisted by cooperative weak interactions via a gold heterogeneous catalyst: Insights into biodiesel production mechanisms. *Fuel*, **2017**, 202, 98-108	7.1	7
140	Zincating Effect on Corrosion Resistance of Electroless Ni-P Coating on Aluminum Alloy 6061. *Fuel Cells*, **2017**, 17, 770-777	2.9	7
139	Microalgae as a potential source for biodiesel production: techniques, methods, and other challenges. *International Journal of Energy Research*, **2017**, 41, 761-789	4.5	51
138	Development of Gold Electrodes for Microbial Fuel Cells. *Journal of New Materials for Electrochemical Systems*, **2016**, 19, 037-042	2.8	4
137	Synthesis and characterization of nanoparticles of CZTSe by microwave-assited chemical synthesis. *Materials Research Express*, **2016**, 3, 125017	1.7	10
136	Hydrogen production by Spirulina maxima 2342 under different light intensities and quantification employing a fuel cell. *International Journal of Global Warming*, **2015**, 8, 86	0.6	

135	Performance of a microbial electrolysis cell (MEC) for hydrogen production with a new process for the biofilm formation. *International Journal of Hydrogen Energy*, **2014**, 39, 8938-8946	6.7	20
134	Ruthenium based electrocatalysts for hydrogen oxidation, prepared by a microwave assisted method. *Journal of Power Sources*, **2014**, 246, 438-442	8.9	6
133	Numerical evaluation of a PEM fuel cell with conventional flow fields adapted to tubular plates. *International Journal of Hydrogen Energy*, **2014**, 39, 16694-16705	6.7	35
132	Microwave synthesis of an electrocatalyst based on CoFeRu for the oxygen reduction reaction in the absence and presence of methanol. *Journal of Power Sources*, **2014**, 267, 793-798	8.9	4
131	Bioethanol Production from Coffee Mucilage. *Energy Procedia*, **2014**, 57, 950-956	2.3	15
130	Evaluation of Agro-industrial Wastes to Produce Bioethanol: Case Study - Mango (Mangifera Indica L.). *Energy Procedia*, **2014**, 57, 860-866	2.3	10
129	Selection of hybrid systems with hydrogen storage based on multiple criteria: application to autonomous systems and connected to the electrical grid. *International Journal of Energy Research*, **2014**, 38, 702-713	4.5	5
128	A thermal route to synthesize photovoltaic grade CuInSe2 films from printed CuO/In2O3 nanoparticle-based inks under Se atmosphere. *Journal of Renewable and Sustainable Energy*, **2013**, 5, 053140	2.5	3
127	Fabrication and characterization of a micro-fuel cell made of metallized PMMA. *Journal of Power Sources*, **2013**, 242, 1-6	8.9	13
126	Synthesis of CuInSe2 nanopowders by microwave assisted solvothermal method. *International Journal of Nanotechnology*, **2013**, 10, 1029	1.5	1
125	Modification of the Optical and Electrical Properties CdS Films by Annealing in Neutral and Reducing Atmospheres. *Materials Research Society Symposia Proceedings*, **2013**, 1538, 377-382		
124	Optimization of autonomous hybrid systems with hydrogen storage: Life cycle assessment. *International Journal of Energy Research*, **2012**, 36, 749-763	4.5	9
123	Hydrogen production by microorganisms and its application in a PEMFC. *International Journal of Energy Research*, **2012**, 36, 902-910	4.5	7
122	Analysis of electrochemical hydrogen absorption capacity for Pd Ni nanoparticle incorporated MmNi5 MX-based metal hydride. *International Journal of Energy Research*, **2012**, 36, 935-943	4.5	0
121	Numerical analysis of the effect of different gas feeding modes in a proton exchange membrane fuel cell with serpentine flow-field. *Journal of Power Sources*, **2011**, 196, 5070-5076	8.9	14
120	Microwave assisted synthesis of ruthenium electrocatalysts for oxygen reduction reaction in the presence and absence of aqueous methanol. *International Journal of Hydrogen Energy*, **2011**, 36, 103-110	6.7	16
119	Characterization of the electrical energy consumption of a building for the dimensioning of a solar-hydrogen energy system. *International Journal of Energy Research*, **2010**, 34, 962-969	4.5	1
118	Analysis of the current methods used to size a wind/hydrogen/fuel cell-integrated system: A new perspective. *International Journal of Energy Research*, **2010**, 34, 1042-1051	4.5	4

117	Proton Charge Transport in Nafion Nanochannels. *Journal of Nano Research*, **2009**, 5, 31-36	1	4
116	Parametric Study of a Single Cell PEM Fuel Cell. *ECS Transactions*, **2009**, 17, 315-323	1	1
115	Structure and electrochemical properties of carbon aerogels synthesized at ambient temperatures as supercapacitors. *Journal of Non-Crystalline Solids*, **2008**, 354, 19-24	3.9	92
114	Synthesis and characterization of nanostructured semiconductors for photovoltaic and photoelectrochemical cell applications **2008**,		10
113	Polyaniline and polypyrrole coatings on aluminum for PEM fuel cell bipolar plates. *Journal of Power Sources*, **2008**, 177, 161-166	8.9	59
112	Electrodeposition of indium onto Mo/Cu for the deposition of Cu(In,Ga)Se2 thin films. *Electrochimica Acta*, **2008**, 53, 3714-3721	6.7	29
111	Comparison of two anaerobic systems for hydrogen production from the organic fraction of municipal solid waste and synthetic wastewater. *International Journal of Hydrogen Energy*, **2007**, 32, 3141-3146	6.7	54
110	CO oxidation on carbon-supported PtMo electrocatalysts: Effect of the platinum particle size. *International Journal of Hydrogen Energy*, **2007**, 32, 3147-3153	6.7	42
109	Simulation of an air conditioning absorption refrigeration system in a co-generation process combining a proton exchange membrane fuel cell. *International Journal of Hydrogen Energy*, **2007**, 32, 3174-3182	6.7	23
108	Nickel hydroxide/activated carbon composite electrodes for electrochemical capacitors. *Journal of Power Sources*, **2007**, 164, 425-429	8.9	97
107	Preparation and characterization of RuO2 □xH2O/carbon aerogel composites for supercapacitors. *Journal of Applied Electrochemistry*, **2007**, 37, 1129-1135	2.6	25
106	Hydrogen production employing Spirulina maxima 2342: A chemical analysis. *International Journal of Hydrogen Energy*, **2007**, 32, 3133-3136	6.7	11
105	Coupling a PEM fuel cell and the hydrogen generation from aluminum waste cans. *International Journal of Hydrogen Energy*, **2007**, 32, 3159-3162	6.7	68
104	Converting Solar Radiation to Electric Power in Mexico **2007**, 281-303		
103	Charge transport mechanism of Al/Bi2Te3/Al thin film devices. *Solid-State Electronics*, **2006**, 50, 1315-1319	1.7	2
102	Effects of synthesis conditions on the structural and electrochemical properties of layered Li[Ni1/3Co1/3Mn1/3]O2 cathode material via the hydroxide co-precipitation method LIB SCITECH. *Journal of Power Sources*, **2006**, 161, 601-605	8.9	67
101	Evaluation of the corrosion resistance of NiâCoâB coatings in simulated PEMFC environment. *Electrochimica Acta*, **2006**, 51, 4045-4051	6.7	45
100	Studies on preparation and performances of carbon aerogel electrodes for the application of supercapacitor. *Journal of Power Sources*, **2006**, 158, 784-788	8.9	278

99	Synthesis and characterization of high tap-density layered Li[Ni1/3Co1/3Mn1/3]O2 cathode material via hydroxide co-precipitation. *Journal of Power Sources*, **2006**, 158, 654-658	8.9	93
98	The preparation of NaV1â□CrxPO4F cathode materials for sodium-ion battery. *Journal of Power Sources*, **2006**, 160, 698-703	8.9	110
97	Synthesis and electrochemical properties of layered Li[Ni0.333Co0.333Mn0.293Al0.04]O2â□Fz cathode materials prepared by the solâ□gel method. *Journal of Power Sources*, **2006**, 160, 657-661	8.9	35
96	A new type of MnO2□xH2O/CRF composite electrode for supercapacitors. *Journal of Power Sources*, **2006**, 160, 1501-1505	8.9	80
95	Characterization and evaluation of Pt-Ru catalyst supported on multi-walled carbon nanotubes by electrochemical impedance. *Journal of Power Sources*, **2006**, 160, 915-924	8.9	54
94	Solâ□gel template synthesis of highly ordered MnO2 nanowire arrays. *Journal of Power Sources*, **2005**, 140, 211-215	8.9	208
93	Conducting polymer-coated stainless steel bipolar plates for proton exchange membrane fuel cells (PEMFC). *International Journal of Hydrogen Energy*, **2005**, 30, 1339-1344	6.7	175
92	Structural and electrochemical characterization of sputter-deposited nitrided NiCr alloys. *Journal of Solid State Electrochemistry*, **2005**, 9, 535-546	2.6	6
91	Experimental and theoretical analysis of electropolymerized PMeT thin films. *Journal of Polymer Science, Part B: Polymer Physics*, **2005**, 43, 3058-3068	2.6	1
90	Oxygen catalytic evolution reaction on nickel hydroxide electrode modified by electroless cobalt coating. *International Journal of Hydrogen Energy*, **2004**, 29, 967-972	6.7	95
89	Synthesis, characterization and application of a Pd/Vulcan and Pd/C catalyst in a PEM fuel cell. *International Journal of Hydrogen Energy*, **2004**, 29, 915-920	6.7	48
88	Electrochemical characterization of a-SiC in different electrolytes. *International Journal of Hydrogen Energy*, **2004**, 29, 941-944	6.7	6
87	Studies on the electrochemical stability of CIGS in H2SO4. *Journal of Photochemistry and Photobiology A: Chemistry*, **2004**, 168, 75-80	4.7	17
86	Effects of the SO4 groups on the textural properties and local order deformation of SnO2 rutile structure. *Langmuir*, **2004**, 20, 4265-71	4	39
85	Preparation and microstructural studies of electrodeposited Cu2O thin films. *Materials Letters*, **2004**, 58, 1802-1807	3.3	46
84	Thickness dependent properties of hot wall deposited CdSe films. *Journal of Materials Science Letters*, **2003**, 22, 25-28		5
83	Characterization of zinc phthalocyanine (ZnPc) for photovoltaic applications. *Applied Physics A: Materials Science and Processing*, **2003**, 77, 383-389	2.6	67
82	Growth and characterization of electrosynthesised zinc oxide thin films. *Materials Research Bulletin*, **2003**, 38, 269-277	5.1	21

81	Characterization of pulse plated Cu2O thin films. *Surface and Coatings Technology*, **2003**, 168, 111-114	4.4	19
80	Photoelectrochemical characterization of CdTe in Nafion electrolyte. *International Journal of Hydrogen Energy*, **2003**, 28, 641-643	6.7	5
79	Photoelectrochemical characterization of porous Si. *International Journal of Hydrogen Energy*, **2003**, 28, 629-632	6.7	17
78	Influence of the hydrophobic material content in the gas diffusion electrodes on the performance of a PEM fuel cell. *International Journal of Hydrogen Energy*, **2003**, 28, 625-627	6.7	52
77	A modified Nafion membrane with in situ polymerized polypyrrole for the direct methanol fuel cell. *Journal of Power Sources*, **2003**, 124, 59-64	8.9	87
76	Drastic improvement of electrical properties of Nafion 112 membrane on impregnation of bimetallic Au/Pd nanoclusters. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2003**, 2944-2948		2
75	Studies on the oxygen reduction catalyst for zincâair battery electrode. *Journal of Power Sources*, **2003**, 124, 278-284	8.9	72
74	Electrodeposited NiâCoâB alloy: application in water electrolysis. *Materials Science and Engineering C*, **2002**, 19, 115-118	8.3	18
73	Annealing studies of electrodeposited zinc telluride thin films. *Surface and Coatings Technology*, **2002**, 155, 245-249	4.4	21
72	Cyclic Voltametry Investigation of a Metal Hydride Electrode for Nickel Metal Hydride Batteries. *Journal of the Electrochemical Society*, **2002**, 149, A137	3.9	12
71	Characterization of zinc telluride thin films for photoelectrochemical applications. *Journal of Physics Condensed Matter*, **2002**, 14, 5367-5375	1.8	8
70	Potentiostatic deposition and characterization of Cu2O thin films. *Semiconductor Science and Technology*, **2002**, 17, 565-569	1.8	40
69	Electrochemical deposition of ZnTe thin films. *Semiconductor Science and Technology*, **2002**, 17, 465-470	1.8	62
68	Sintered MoxSy(CO)n and Mox(CO)n: application in oxygen reduction reaction, hydrogen evolution and supercapacitors. *International Journal of Hydrogen Energy*, **2001**, 26, 139-143	6.7	4
67	Electrochemical characterization of tungsten carbonyl compound for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2001**, 26, 171-174	6.7	22
66	Electrochemical characterization of a MmNi5âMx electrode for rechargeable Ni/MH battery. *International Journal of Hydrogen Energy*, **2001**, 26, 117-121	6.7	4
65	Photoelectrochemical characterization of SiC. *International Journal of Hydrogen Energy*, **2001**, 26, 123-126	6.7	11
64	Charge transfer and mass transfer reactions in the metal hydride electrode. *International Journal of Hydrogen Energy*, **2001**, 26, 165-169	6.7	9

63	Temperature, cycling, discharge current and self-discharge electrochemical studies to evaluate the performance of a pellet metal-hydride electrode. *International Journal of Hydrogen Energy*, **2001**, 26, 1315-1318	6.7	14
62	Synthesis and characterization of osmium carbonyl cluster compounds with molecular oxygen electroreduction capacity. *International Journal of Hydrogen Energy*, **2001**, 26, 1301-1306	6.7	13
61	Electrocatalytic characteristics of the metal hydride electrode for advanced Ni/MH batteries. *Journal of Power Sources*, **2001**, 96, 90-93	8.9	11
60	Porous CdS:CdO composite structure formed by screen printing and sintering of CdS in air. *Thin Solid Films*, **2000**, 360, 128-132	2.2	24
59	A documented analysis of renewable energy related research and development in Mexico. *International Journal of Hydrogen Energy*, **2000**, 25, 267-271	6.7	7
58	MoxSeyâ(CO)n electrocatalyst prepared by screen-printing and sintering. *International Journal of Hydrogen Energy*, **2000**, 25, 243-247	6.7	8
57	Chemical synthesis and characterization of MoxRuySez?(CO)n electrocatalysts. *International Journal of Hydrogen Energy*, **2000**, 25, 255-259	6.7	4
56	Electrochemical hydrogen absorption in Ni foam. *International Journal of Hydrogen Energy*, **2000**, 25, 197-202	6.7	4
55	Development of Mox Ruy Sez (CO)n electrocatalysts by screen printing and sintering for fuel cell applications. *Surface Engineering*, **2000**, 16, 43-46	2.6	7
54	Electrodeposited Cu2O thin films for solar conversion. *Surface Engineering*, **2000**, 16, 47-49	2.6	16
53	Porous CdSe:CdO particulate structure formed by screen printing and sintering of Cd and Se powders in air. *Advanced Materials for Optics and Electronics*, **1999**, 9, 35-43		
52	Fabrication and testing of a H2â2 fuel cell using MoxRuySez. *International Journal of Hydrogen Energy*, **1998**, 23, 1041-1044	6.7	3
51	Electrochemical H2 diffusion in Si and Ni. *International Journal of Hydrogen Energy*, **1998**, 23, 1019-1024	6.7	
50	MoâRuâV chalcogenide electrodes prepared by chemical synthesis and screen printing for fuel cell applications. *International Journal of Hydrogen Energy*, **1998**, 23, 1031-1035	6.7	29
49	Simulation of a solar-hydrogen-fuel cell system: results for different locations in Mexico. *International Journal of Hydrogen Energy*, **1998**, 23, 1005-1009	6.7	20
48	Application of fiber optics in the hydrogen production by photoelectrolysis. *International Journal of Hydrogen Energy*, **1998**, 23, 985-993	6.7	10
47	Poly-3-methylthiophene/ solar cell formed by electrodeposition and processing. *Semiconductor Science and Technology*, **1998**, 13, 1459-1462	1.8	20
46	Characterization of Electrodeposited CuInSe2 Thin Films for Photovoltaic and Photoelectrochemical Applications. *Materials and Manufacturing Processes*, **1997**, 12, 417-428	4.1	3

45	Characterization of co-electrodeposited and selenized CIS (CuInSe2) thin films. *Thin Solid Films*, **1997**, 298, 92-97	2.2	19
44	Chemical vapour transport by gas (CVTG): optimization of the system for CdS thin film deposition. *Journal Physics D: Applied Physics*, **1996**, 29, 1356-1359	3	4
43	Hydrogen energy and fuel cells: A recent R & D program in Mexico. *International Journal of Hydrogen Energy*, **1996**, 21, 613-616	6.7	3
42	Electro/electroless deposition and characterization of Cu?In precursors for CIS (CuInSe2) films. *Journal of Crystal Growth*, **1996**, 169, 287-292	1.6	7
41	Photosensitive ZnCdS nanoparticles in a CdS matrix formed by high temperature sintering of ZnS and CdCl2 in argon. *Thin Solid Films*, **1996**, 287, 130-133	2.2	6
40	An 8% -based solar cell formed from an electrodeposited precursor film. *Semiconductor Science and Technology*, **1996**, 11, 964-967	1.8	15
39	Formation of Photosensitive Films by High Temperature Sintering. *Materials and Manufacturing Processes*, **1996**, 11, 837-845	4.1	1
38	CuInSe2 based solar cell structures by CVTG. *Applied Energy*, **1995**, 52, 199-207	10.7	2
37	Growth modes of solution-grown CdS thin films. *Advanced Materials for Optics and Electronics*, **1995** , 5, 11-17		8
36	ZnCdS films for solar cell and photodetector applications deposited by In Situ chemical doping of CdS with Zn. *Advanced Materials for Optics and Electronics*, **1995**, 5, 269-275		5
35	Modification of structural and opto-electronic properties of CdS thin films by Cu doping. *Journal of Applied Physics*, **1995**, 77, 4548-4551	2.5	16
34	Formation of Transparent and Photo Conducting Films by High Temperature Chemical Conversion of Solution Grown Precursor Films. *Materials and Manufacturing Processes*, **1995**, 10, 795-805	4.1	1
33	Low-resistivity CdS thin films formed by a new chemical vapour transport method. *Semiconductor Science and Technology*, **1995**, 10, 87-90	1.8	14
32	The transport and optical properties of CdSe-CdTe pseudobinary thin films. *Thin Solid Films*, **1994**, 245, 132-140	2.2	17
31	Chemically deposited n-CdO thin films for solar cell applications. *Physica Status Solidi A*, **1994**, 143, K29-K32		28
30	Structural and opto-electronic properties of chemically deposited CuxS thin film and the precipitate. *Thin Solid Films*, **1994**, 237, 141-147	2.2	11
29	Identification of the impurity phase in chemically deposited CdS thin films. *Advanced Materials for Optics and Electronics*, **1994**, 4, 407-412		21
28	Transparent conducting CdO films formed by chemical bath deposition. *Semiconductor Science and Technology*, **1993**, 8, 750-751	1.8	52

27	Conversion of chemically deposited ZnS films to photoconducting ZnO films. *Journal Physics D: Applied Physics*, **1993**, 26, 2001-2005	3	23
26	p-type CdS thin films formed by in situ Cu doping in the chemical bath. *Applied Physics Letters*, **1993**, 62, 2956-2958	3.4	66
25	The effect of post-deposition treatments on morphology, structure and opto-electronic properties of chemically deposited CdS thin films. *Thin Solid Films*, **1993**, 227, 190-195	2.2	31
24	Modification of the dark and photoconductivity and the optical transmittance of solution-grown CdS thin films. *Advanced Materials for Optics and Electronics*, **1993**, 2, 133-141		9
23	Solar control characteristics of Cu2Se coatings. *Journal Physics D: Applied Physics*, **1992**, 25, 981-985	3	10
22	Screen printed ZnCdS films for opto-electronic applications. *Journal Physics D: Applied Physics*, **1992**, 25, 1848-1850	3	6
21	The electrical properties of vacuum-evaporated stoichiometric and non-stoichiometric CdTe thin films for opto-electronic applications. *Thin Solid Films*, **1992**, 221, 233-238	2.2	12
20	The influence of bath composition on the photocurrent response and morphology of chemically deposited CdS thin films. *Advanced Materials for Optics and Electronics*, **1992**, 1, 211-220		26
19	The prospects of CdTe thin films as solar control coatings. *Thin Solid Films*, **1991**, 202, 1-9	2.2	12
18	The growth and characterization of CdSexTe1 â□x thin films. *Journal of Crystal Growth*, **1991**, 112, 421-426	1.6	12
17	Ageing studies on CdSe thin films under ambient conditions. *Journal of Physics and Chemistry of Solids*, **1991**, 52, 963-968	3.9	6
16	Electrical conduction and transmission electron microscopy studies of CdSe0.8Te0.2 thin films. *Journal of Materials Science*, **1991**, 26, 6443-6447	4.3	1
15	Aging of CdSexTe1â□ Thin Films near Liquid Nitrogen Temperature. *Physica Status Solidi A*, **1991**, 124, 505-511		5
14	Studies on ageing and electrical conduction in CdSe(0.2)Te(0.8) thin films. *Journal of Physics and Chemistry of Solids*, **1990**, 51, 401-405	3.9	7
13	The influence of thickness and deposition temperature on the conduction activation energy of CdSe0.2Te0.8 thin films. *Journal of Materials Science*, **1990**, 25, 1803-1807	4.3	2
12	Oxygen adsorption on the surface of CdSe(x) Te (1 â□x) thin films. *Vacuum*, **1990**, 41, 647-649	3.7	4
11	Investigation of oxygen chemisorption on the surface of CdSe0.8Te0.2 thin films by X-ray photoelectron spectroscopy and transmission electron microscopy. *Thin Solid Films*, **1990**, 189, 183-191	2.2	7
10	Influence of a magnetic field on the aging rates of island silver films. *Journal Physics D: Applied Physics*, **1990**, 23, 371-373	3	1

9	Influence of film and deposition parameters on the electrical conduction in CdSexTe1-x thin films. *Physical Review B*, **1990**, 42, 3057-3063	3.3	5
8	The change of electrical conduction in the valence/conduction band to the impurity band in CdSexTe1â thin films. *Journal of Applied Physics*, **1990**, 67, 3536-3538	2.5	5
7	CdSexTe1-xthin films for solar control applications. *Journal Physics D: Applied Physics*, **1990**, 23, 1114-1118	3	21
6	Effect of oxygen adsorption on instability in electrical resistance of CdSe0.6Te0.4 thin films. *Physical Review B*, **1989**, 40, 9767-9771	3.3	9
5	Instability in resistance and variation of activation energy with thickness and deposition temperature of CdSe0.6Te0.4 thin films deposited at high substrate temperatures. *Journal of Applied Physics*, **1989**, 65, 237-240	2.5	29
4	Design and performance evaluation of a prototype hydrogen generator employing hydrolysis of aluminum waste. *Clean Technologies and Environmental Policy*,1	4.3	0
3	A Review on Current Trends in Biogas Production from Microalgae Biomass and Microalgae Waste by Anaerobic Digestion and Co-digestion. *Bioenergy Research*,1	3.1	5
2	Anaerobic co-digestion of raw glycerol and swine manure: microbial communities. *Biomass Conversion and Biorefinery*,1	2.3	0
1	Power Generation from Cheese Whey Treatment by Anaerobic Digestion and Microbial Fuel Cell. *Waste and Biomass Valorization*,1	3.2	0