

# Pathiyamattom Sebastian

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Studies on preparation and performances of carbon aerogel electrodes for the application of supercapacitor. <i>Journal of Power Sources</i> , <b>2006</b> , 158, 784-788	8.9	278
151	Sol-gel template synthesis of highly ordered MnO <sub>2</sub> nanowire arrays. <i>Journal of Power Sources</i> , <b>2005</b> , 140, 211-215	8.9	208
150	Conducting polymer-coated stainless steel bipolar plates for proton exchange membrane fuel cells (PEMFC). <i>International Journal of Hydrogen Energy</i> , <b>2005</b> , 30, 1339-1344	6.7	175
149	The preparation of NaV <sub>1-x</sub> Cr <sub>x</sub> PO <sub>4</sub> F cathode materials for sodium-ion battery. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 698-703	8.9	110
148	Nickel hydroxide/activated carbon composite electrodes for electrochemical capacitors. <i>Journal of Power Sources</i> , <b>2007</b> , 164, 425-429	8.9	97
147	Oxygen catalytic evolution reaction on nickel hydroxide electrode modified by electroless cobalt coating. <i>International Journal of Hydrogen Energy</i> , <b>2004</b> , 29, 967-972	6.7	95
146	Synthesis and characterization of high tap-density layered Li[Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> ]O <sub>2</sub> cathode material via hydroxide co-precipitation. <i>Journal of Power Sources</i> , <b>2006</b> , 158, 654-658	8.9	93
145	Structure and electrochemical properties of carbon aerogels synthesized at ambient temperatures as supercapacitors. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 19-24	3.9	92
144	A modified Nafion membrane with in situ polymerized polypyrrole for the direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2003</b> , 124, 59-64	8.9	87
143	A new type of MnO <sub>2</sub> ·xH <sub>2</sub> O/CRF composite electrode for supercapacitors. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 1501-1505	8.9	80
142	Studies on the oxygen reduction catalyst for zinc-air battery electrode. <i>Journal of Power Sources</i> , <b>2003</b> , 124, 278-284	8.9	72
141	Coupling a PEM fuel cell and the hydrogen generation from aluminum waste cans. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 3159-3162	6.7	68
140	Effects of synthesis conditions on the structural and electrochemical properties of layered Li[Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> ]O <sub>2</sub> cathode material via the hydroxide co-precipitation method LIB SCITECH. <i>Journal of Power Sources</i> , <b>2006</b> , 161, 601-605	8.9	67
139	Characterization of zinc phthalocyanine (ZnPc) for photovoltaic applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 77, 383-389	2.6	67
138	p-type CdS thin films formed by in situ Cu doping in the chemical bath. <i>Applied Physics Letters</i> , <b>1993</b> , 62, 2956-2958	3.4	66
137	Electrochemical deposition of ZnTe thin films. <i>Semiconductor Science and Technology</i> , <b>2002</b> , 17, 465-470	1.8	62
136	Polyaniline and polypyrrole coatings on aluminum for PEM fuel cell bipolar plates. <i>Journal of Power Sources</i> , <b>2008</b> , 177, 161-166	8.9	59

135	Comparison of two anaerobic systems for hydrogen production from the organic fraction of municipal solid waste and synthetic wastewater. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 3141-3146	6.7	54
134	Characterization and evaluation of Pt-Ru catalyst supported on multi-walled carbon nanotubes by electrochemical impedance. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 915-924	8.9	54
133	Influence of the hydrophobic material content in the gas diffusion electrodes on the performance of a PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2003</b> , 28, 625-627	6.7	52
132	Transparent conducting CdO films formed by chemical bath deposition. <i>Semiconductor Science and Technology</i> , <b>1993</b> , 8, 750-751	1.8	52
131	Microalgae as a potential source for biodiesel production: techniques, methods, and other challenges. <i>International Journal of Energy Research</i> , <b>2017</b> , 41, 761-789	4.5	51
130	Synthesis, characterization and application of a Pd/Vulcan and Pd/C catalyst in a PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2004</b> , 29, 915-920	6.7	48
129	Preparation and microstructural studies of electrodeposited Cu <sub>2</sub> O thin films. <i>Materials Letters</i> , <b>2004</b> , 58, 1802-1807	3.3	46
128	Evaluation of the corrosion resistance of Ni-B coatings in simulated PEMFC environment. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 4045-4051	6.7	45
127	CO oxidation on carbon-supported PtMo electrocatalysts: Effect of the platinum particle size. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 3147-3153	6.7	42
126	Potentiostatic deposition and characterization of Cu <sub>2</sub> O thin films. <i>Semiconductor Science and Technology</i> , <b>2002</b> , 17, 565-569	1.8	40
125	Effects of the SO <sub>4</sub> groups on the textural properties and local order deformation of SnO <sub>2</sub> rutile structure. <i>Langmuir</i> , <b>2004</b> , 20, 4265-71	4	39
124	Numerical evaluation of a PEM fuel cell with conventional flow fields adapted to tubular plates. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 16694-16705	6.7	35
123	Synthesis and electrochemical properties of layered Li[Ni <sub>0.333</sub> Co <sub>0.333</sub> Mn <sub>0.293</sub> Al <sub>0.04</sub> ]O <sub>2</sub> cathode materials prepared by the sol-gel method. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 657-661	8.9	35
122	The effect of post-deposition treatments on morphology, structure and opto-electronic properties of chemically deposited CdS thin films. <i>Thin Solid Films</i> , <b>1993</b> , 227, 190-195	2.2	31
121	MoS <sub>2</sub> chalcogenide electrodes prepared by chemical synthesis and screen printing for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , <b>1998</b> , 23, 1031-1035	6.7	29
120	Electrodeposition of indium onto Mo/Cu for the deposition of Cu(In,Ga)Se <sub>2</sub> thin films. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 3714-3721	6.7	29
119	Instability in resistance and variation of activation energy with thickness and deposition temperature of CdSe <sub>0.6</sub> Te <sub>0.4</sub> thin films deposited at high substrate temperatures. <i>Journal of Applied Physics</i> , <b>1989</b> , 65, 237-240	2.5	29
118	Chemically deposited n-CdO thin films for solar cell applications. <i>Physica Status Solidi A</i> , <b>1994</b> , 143, K29-K32		28

117	Preparation of a heterogeneous catalyst from moringa leaves as a sustainable precursor for biodiesel production. <i>Fuel</i> , <b>2021</b> , 284, 118983	7.1	28
116	The influence of bath composition on the photocurrent response and morphology of chemically deposited CdS thin films. <i>Advanced Materials for Optics and Electronics</i> , <b>1992</b> , 1, 211-220		26
115	Preparation and characterization of RuO <sub>2</sub> · xH <sub>2</sub> O/carbon aerogel composites for supercapacitors. <i>Journal of Applied Electrochemistry</i> , <b>2007</b> , 37, 1129-1135	2.6	25
114	Porous CdS:CdO composite structure formed by screen printing and sintering of CdS in air. <i>Thin Solid Films</i> , <b>2000</b> , 360, 128-132	2.2	24
113	Simulation of an air conditioning absorption refrigeration system in a co-generation process combining a proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 3174-3182	6.7	23
112	Conversion of chemically deposited ZnS films to photoconducting ZnO films. <i>Journal Physics D: Applied Physics</i> , <b>1993</b> , 26, 2001-2005	3	23
111	Electrochemical characterization of tungsten carbonyl compound for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2001</b> , 26, 171-174	6.7	22
110	Annealing studies of electrodeposited zinc telluride thin films. <i>Surface and Coatings Technology</i> , <b>2002</b> , 155, 245-249	4.4	21
109	Growth and characterization of electrosynthesised zinc oxide thin films. <i>Materials Research Bulletin</i> , <b>2003</b> , 38, 269-277	5.1	21
108	Identification of the impurity phase in chemically deposited CdS thin films. <i>Advanced Materials for Optics and Electronics</i> , <b>1994</b> , 4, 407-412		21
107	Cd <sub>1-x</sub> Se <sub>x</sub> Te <sub>1-x</sub> thin films for solar control applications. <i>Journal Physics D: Applied Physics</i> , <b>1990</b> , 23, 1114-1118		21
106	Role of nanoparticles on microalgal cultivation: A review. <i>Fuel</i> , <b>2020</b> , 280, 118598	7.1	21
105	Performance of a microbial electrolysis cell (MEC) for hydrogen production with a new process for the biofilm formation. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 8938-8946	6.7	20
104	Simulation of a solar-hydrogen-fuel cell system: results for different locations in Mexico. <i>International Journal of Hydrogen Energy</i> , <b>1998</b> , 23, 1005-1009	6.7	20
103	Poly-3-methylthiophene/ solar cell formed by electrodeposition and processing. <i>Semiconductor Science and Technology</i> , <b>1998</b> , 13, 1459-1462	1.8	20
102	Characterization of co-electrodeposited and selenized CIS (CuInSe <sub>2</sub> ) thin films. <i>Thin Solid Films</i> , <b>1997</b> , 298, 92-97	2.2	19
101	Characterization of pulse plated Cu <sub>2</sub> O thin films. <i>Surface and Coatings Technology</i> , <b>2003</b> , 168, 111-114	4.4	19
100	Electrodeposited Ni-Co alloy: application in water electrolysis. <i>Materials Science and Engineering C</i> , <b>2002</b> , 19, 115-118	8.3	18

99	Studies on the physical and electrochemical properties of Ni-P coating on commercial aluminum as bipolar plate in PEMFC. <i>Fuel</i> , <b>2019</b> , 235, 1361-1367	7.1	18
98	Studies on the electrochemical stability of CIGS in H <sub>2</sub> SO <sub>4</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2004</b> , 168, 75-80	4.7	17
97	Photoelectrochemical characterization of porous Si. <i>International Journal of Hydrogen Energy</i> , <b>2003</b> , 28, 629-632	6.7	17
96	The transport and optical properties of CdSe-CdTe pseudobinary thin films. <i>Thin Solid Films</i> , <b>1994</b> , 245, 132-140	2.2	17
95	Microwave assisted synthesis of ruthenium electrocatalysts for oxygen reduction reaction in the presence and absence of aqueous methanol. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 103-110	6.7	16
94	Electrodeposited Cu <sub>2</sub> O thin films for solar conversion. <i>Surface Engineering</i> , <b>2000</b> , 16, 47-49	2.6	16
93	Modification of structural and opto-electronic properties of CdS thin films by Cu doping. <i>Journal of Applied Physics</i> , <b>1995</b> , 77, 4548-4551	2.5	16
92	Bioethanol Production from Coffee Mucilage. <i>Energy Procedia</i> , <b>2014</b> , 57, 950-956	2.3	15
91	An 8% -based solar cell formed from an electrodeposited precursor film. <i>Semiconductor Science and Technology</i> , <b>1996</b> , 11, 964-967	1.8	15
90	Numerical analysis of the effect of different gas feeding modes in a proton exchange membrane fuel cell with serpentine flow-field. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 5070-5076	8.9	14
89	Temperature, cycling, discharge current and self-discharge electrochemical studies to evaluate the performance of a pellet metal-hydride electrode. <i>International Journal of Hydrogen Energy</i> , <b>2001</b> , 26, 1315-1318	6.7	14
88	Low-resistivity CdS thin films formed by a new chemical vapour transport method. <i>Semiconductor Science and Technology</i> , <b>1995</b> , 10, 87-90	1.8	14
87	Fabrication and characterization of a micro-fuel cell made of metallized PMMA. <i>Journal of Power Sources</i> , <b>2013</b> , 242, 1-6	8.9	13
86	Synthesis and characterization of osmium carbonyl cluster compounds with molecular oxygen electroreduction capacity. <i>International Journal of Hydrogen Energy</i> , <b>2001</b> , 26, 1301-1306	6.7	13
85	Cyclic Voltammetry Investigation of a Metal Hydride Electrode for Nickel Metal Hydride Batteries. <i>Journal of the Electrochemical Society</i> , <b>2002</b> , 149, A137	3.9	12
84	The prospects of CdTe thin films as solar control coatings. <i>Thin Solid Films</i> , <b>1991</b> , 202, 1-9	2.2	12
83	The growth and characterization of Cd <sub>1-x</sub> Se <sub>x</sub> Te thin films. <i>Journal of Crystal Growth</i> , <b>1991</b> , 112, 421-426	6.6	12
82	The electrical properties of vacuum-evaporated stoichiometric and non-stoichiometric CdTe thin films for opto-electronic applications. <i>Thin Solid Films</i> , <b>1992</b> , 221, 233-238	2.2	12

81	Effect of temperature and pH on direct chemical bath deposition of cuprous oxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 15535-15545	2.1	11
80	Hydrogen production employing <i>Spirulina maxima</i> 2342: A chemical analysis. <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 3133-3136	6.7	11
79	Photoelectrochemical characterization of SiC. <i>International Journal of Hydrogen Energy</i> , <b>2001</b> , 26, 123-126.	7	11
78	Electrocatalytic characteristics of the metal hydride electrode for advanced Ni/MH batteries. <i>Journal of Power Sources</i> , <b>2001</b> , 96, 90-93	8.9	11
77	Structural and opto-electronic properties of chemically deposited Cu <sub>x</sub> S thin film and the precipitate. <i>Thin Solid Films</i> , <b>1994</b> , 237, 141-147	2.2	11
76	Evaluation of Agro-industrial Wastes to Produce Bioethanol: Case Study - Mango ( <i>Mangifera Indica</i> L.). <i>Energy Procedia</i> , <b>2014</b> , 57, 860-866	2.3	10
75	Application of fiber optics in the hydrogen production by photoelectrolysis. <i>International Journal of Hydrogen Energy</i> , <b>1998</b> , 23, 985-993	6.7	10
74	Synthesis and characterization of nanostructured semiconductors for photovoltaic and photoelectrochemical cell applications <b>2008</b> ,		10
73	Solar control characteristics of Cu <sub>2</sub> Se coatings. <i>Journal Physics D: Applied Physics</i> , <b>1992</b> , 25, 981-985	3	10
72	Synthesis and characterization of nanoparticles of CZTSe by microwave-assited chemical synthesis. <i>Materials Research Express</i> , <b>2016</b> , 3, 125017	1.7	10
71	Optimization of autonomous hybrid systems with hydrogen storage: Life cycle assessment. <i>International Journal of Energy Research</i> , <b>2012</b> , 36, 749-763	4.5	9
70	Charge transfer and mass transfer reactions in the metal hydride electrode. <i>International Journal of Hydrogen Energy</i> , <b>2001</b> , 26, 165-169	6.7	9
69	Modification of the dark and photoconductivity and the optical transmittance of solution-grown CdS thin films. <i>Advanced Materials for Optics and Electronics</i> , <b>1993</b> , 2, 133-141		9
68	Effect of oxygen adsorption on instability in electrical resistance of CdSe <sub>0.6</sub> Te <sub>0.4</sub> thin films. <i>Physical Review B</i> , <b>1989</b> , 40, 9767-9771	3.3	9
67	Characterization of zinc telluride thin films for photoelectrochemical applications. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 5367-5375	1.8	8
66	MoxSeyâ(CO) <sub>n</sub> electrocatalyst prepared by screen-printing and sintering. <i>International Journal of Hydrogen Energy</i> , <b>2000</b> , 25, 243-247	6.7	8
65	Growth modes of solution-grown CdS thin films. <i>Advanced Materials for Optics and Electronics</i> , <b>1995</b> , 5, 11-17		8
64	Density Functional study on the transesterification of triacetin assisted by cooperative weak interactions via a gold heterogeneous catalyst: Insights into biodiesel production mechanisms. <i>Fuel</i> , <b>2017</b> , 202, 98-108	7.1	7

63	Zincating Effect on Corrosion Resistance of Electroless Ni-P Coating on Aluminum Alloy 6061. <i>Fuel Cells</i> , <b>2017</b> , 17, 770-777	2.9	7
62	Hydrogen production by microorganisms and its application in a PEMFC. <i>International Journal of Energy Research</i> , <b>2012</b> , 36, 902-910	4.5	7
61	A documented analysis of renewable energy related research and development in Mexico. <i>International Journal of Hydrogen Energy</i> , <b>2000</b> , 25, 267-271	6.7	7
60	Development of Mox Ruy Sez (CO)n electrocatalysts by screen printing and sintering for fuel cell applications. <i>Surface Engineering</i> , <b>2000</b> , 16, 43-46	2.6	7
59	Electro/electroless deposition and characterization of Cu <sub>2</sub> In precursors for CIS (CuInSe <sub>2</sub> ) films. <i>Journal of Crystal Growth</i> , <b>1996</b> , 169, 287-292	1.6	7
58	Studies on ageing and electrical conduction in CdSe(0.2)Te(0.8) thin films. <i>Journal of Physics and Chemistry of Solids</i> , <b>1990</b> , 51, 401-405	3.9	7
57	Investigation of oxygen chemisorption on the surface of CdSe <sub>0.8</sub> Te <sub>0.2</sub> thin films by X-ray photoelectron spectroscopy and transmission electron microscopy. <i>Thin Solid Films</i> , <b>1990</b> , 189, 183-191	2.2	7
56	Ruthenium based electrocatalysts for hydrogen oxidation, prepared by a microwave assisted method. <i>Journal of Power Sources</i> , <b>2014</b> , 246, 438-442	8.9	6
55	Electrochemical characterization of a-SiC in different electrolytes. <i>International Journal of Hydrogen Energy</i> , <b>2004</b> , 29, 941-944	6.7	6
54	Structural and electrochemical characterization of sputter-deposited nitrided NiCr alloys. <i>Journal of Solid State Electrochemistry</i> , <b>2005</b> , 9, 535-546	2.6	6
53	Photosensitive ZnCdS nanoparticles in a CdS matrix formed by high temperature sintering of ZnS and CdCl <sub>2</sub> in argon. <i>Thin Solid Films</i> , <b>1996</b> , 287, 130-133	2.2	6
52	Ageing studies on CdSe thin films under ambient conditions. <i>Journal of Physics and Chemistry of Solids</i> , <b>1991</b> , 52, 963-968	3.9	6
51	Screen printed ZnCdS films for opto-electronic applications. <i>Journal Physics D: Applied Physics</i> , <b>1992</b> , 25, 1848-1850	3	6
50	Selection of hybrid systems with hydrogen storage based on multiple criteria: application to autonomous systems and connected to the electrical grid. <i>International Journal of Energy Research</i> , <b>2014</b> , 38, 702-713	4.5	5
49	Thickness dependent properties of hot wall deposited CdSe films. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 25-28		5
48	Photoelectrochemical characterization of CdTe in Nafion electrolyte. <i>International Journal of Hydrogen Energy</i> , <b>2003</b> , 28, 641-643	6.7	5
47	ZnCdS films for solar cell and photodetector applications deposited by In Situ chemical doping of CdS with Zn. <i>Advanced Materials for Optics and Electronics</i> , <b>1995</b> , 5, 269-275		5
46	Aging of CdSexTe <sub>1-x</sub> Thin Films near Liquid Nitrogen Temperature. <i>Physica Status Solidi A</i> , <b>1991</b> , 124, 505-511		5



45	Influence of film and deposition parameters on the electrical conduction in CdSexTe1-x thin films. <i>Physical Review B</i> , <b>1990</b> , 42, 3057-3063	3.3	5
44	The change of electrical conduction in the valence/conduction band to the impurity band in CdSexTe1-x thin films. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 3536-3538	2.5	5
43	Microwave-assisted chemical synthesis of Zn2SnO4 nanoparticles. <i>Materials Science in Semiconductor Processing</i> , <b>2020</b> , 108, 104878	4.3	5
42	A Review on Current Trends in Biogas Production from Microalgae Biomass and Microalgae Waste by Anaerobic Digestion and Co-digestion. <i>Bioenergy Research</i> , 1	3.1	5
41	Energy and nutrients recovery from wastewater cultivated microalgae: Assessment of the impact of wastewater dilution on biogas yield. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125755	11	5
40	Heterogeneous Esterification of Waste Cooking Oil with Sulfated Titanium Dioxide (STi). <i>Bioenergy Research</i> , <b>2019</b> , 12, 653-664	3.1	4
39	Microwave synthesis of an electrocatalyst based on CoFeRu for the oxygen reduction reaction in the absence and presence of methanol. <i>Journal of Power Sources</i> , <b>2014</b> , 267, 793-798	8.9	4
38	Proton Charge Transport in Nafion Nanochannels. <i>Journal of Nano Research</i> , <b>2009</b> , 5, 31-36	1	4
37	Analysis of the current methods used to size a wind/hydrogen/fuel cell-integrated system: A new perspective. <i>International Journal of Energy Research</i> , <b>2010</b> , 34, 1042-1051	4.5	4
36	Chemical vapour transport by gas (CVTG): optimization of the system for CdS thin film deposition. <i>Journal Physics D: Applied Physics</i> , <b>1996</b> , 29, 1356-1359	3	4
35	Sintered MoxSy(CO)n and Mox(CO)n: application in oxygen reduction reaction, hydrogen evolution and supercapacitors. <i>International Journal of Hydrogen Energy</i> , <b>2001</b> , 26, 139-143	6.7	4
34	Electrochemical characterization of a MmNi5SxMx electrode for rechargeable Ni/MH battery. <i>International Journal of Hydrogen Energy</i> , <b>2001</b> , 26, 117-121	6.7	4
33	Chemical synthesis and characterization of MoxRuySez(CO)n electrocatalysts. <i>International Journal of Hydrogen Energy</i> , <b>2000</b> , 25, 255-259	6.7	4
32	Electrochemical hydrogen absorption in Ni foam. <i>International Journal of Hydrogen Energy</i> , <b>2000</b> , 25, 197-202	6.7	4
31	Oxygen adsorption on the surface of CdSe(x) Te (1 - x) thin films. <i>Vacuum</i> , <b>1990</b> , 41, 647-649	3.7	4
30	Development of Gold Electrodes for Microbial Fuel Cells. <i>Journal of New Materials for Electrochemical Systems</i> , <b>2016</b> , 19, 037-042	2.8	4
29	A thermal route to synthesize photovoltaic grade CuInSe2 films from printed CuO/In2O3 nanoparticle-based inks under Se atmosphere. <i>Journal of Renewable and Sustainable Energy</i> , <b>2013</b> , 5, 053140	2.5	3
28	Characterization of Electrodeposited CuInSe2 Thin Films for Photovoltaic and Photoelectrochemical Applications. <i>Materials and Manufacturing Processes</i> , <b>1997</b> , 12, 417-428	4.1	3



27	Fabrication and testing of a H <sub>2</sub> /O <sub>2</sub> fuel cell using MoxRuYSez. <i>International Journal of Hydrogen Energy</i> , <b>1998</b> , 23, 1041-1044	6.7	3
26	Hydrogen energy and fuel cells: A recent R & D program in Mexico. <i>International Journal of Hydrogen Energy</i> , <b>1996</b> , 21, 613-616	6.7	3
25	Bioethanol production from Ataulfo mango supplemented with vermicompost leachate. <i>Catalysis Today</i> , <b>2020</b> , 353, 173-179	5.3	3
24	Charge transport mechanism of Al/Bi <sub>2</sub> Te <sub>3</sub> /Al thin film devices. <i>Solid-State Electronics</i> , <b>2006</b> , 50, 1315-1319	4.7	2
23	Drastic improvement of electrical properties of Nafion <sup>®</sup> 112 membrane on impregnation of bimetallic Au/Pd nanoclusters. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 2944-2948		2
22	CuInSe <sub>2</sub> based solar cell structures by CVTG. <i>Applied Energy</i> , <b>1995</b> , 52, 199-207	10.7	2
21	The influence of thickness and deposition temperature on the conduction activation energy of CdSe <sub>0.2</sub> Te <sub>0.8</sub> thin films. <i>Journal of Materials Science</i> , <b>1990</b> , 25, 1803-1807	4.3	2
20	Optimization of Hydrogen Yield from the Anaerobic Digestion of Crude Glycerol and Swine Manure. <i>Catalysts</i> , <b>2019</b> , 9, 316	4	1
19	Synthesis of CuInSe <sub>2</sub> nanopowders by microwave assisted solvothermal method. <i>International Journal of Nanotechnology</i> , <b>2013</b> , 10, 1029	1.5	1
18	Parametric Study of a Single Cell PEM Fuel Cell. <i>ECS Transactions</i> , <b>2009</b> , 17, 315-323	1	1
17	Characterization of the electrical energy consumption of a building for the dimensioning of a solar-hydrogen energy system. <i>International Journal of Energy Research</i> , <b>2010</b> , 34, 962-969	4.5	1
16	Experimental and theoretical analysis of electropolymerized PMeT thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 3058-3068	2.6	1
15	Formation of Transparent and Photo Conducting Films by High Temperature Chemical Conversion of Solution Grown Precursor Films. <i>Materials and Manufacturing Processes</i> , <b>1995</b> , 10, 795-805	4.1	1
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