JesÃºs S Jaime-Ferrer

List of Publications by Year
in descending order

26 papers	705 citations	516710 16 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	956 citing authors

#	Article	IF	Citations
1	Formic acid regeneration by electromembrane processes. Journal of Membrane Science, 2006, 280, 509-516.	8.2	80
2	Three-compartment bipolar membrane electrodialysis for splitting of sodium formate into formic acid and sodium hydroxide: Role of diffusion of molecular acid. Journal of Membrane Science, 2008, 325, 528-536.	8.2	62
3	Process monitoring of chalcopyrite photovoltaic technologies by Raman spectroscopy: an application to low cost electrodeposition based processes. New Journal of Chemistry, 2011, 35, 453-460.	2.8	52
4	8.2% pure selenide kesterite thinâ€film solar cells from largeâ€area electrodeposited precursors. Progress in Photovoltaics: Research and Applications, 2016, 24, 38-51.	8.1	52
5	Raman scattering and structural analysis of electrodeposited CuInSe₂ and Sâ€rich quaternary CuIn(S,Se)₂ semiconductors for solar cells. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1001-1004.	1.8	51
6	Electrodeposition of kesterite thin films for photovoltaic applications: Quo vadis?. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 88-102.	1.8	51
7	Electrodeposition of ZnO window layer for an all-atmospheric fabrication process of chalcogenide solar cell. Scientific Reports, 2015, 5, 8961.	3.3	50
8	Two-compartment bipolar membrane electrodialysis for splitting of sodium formate into formic acid and sodium hydroxide: Modelling. Journal of Membrane Science, 2009, 328, 75-80.	8.2	35
9	The impact of reducing the thickness of electrodeposited stacked Cu/In/Ga layers on the performance of CIGS solar cells. Solar Energy Materials and Solar Cells, 2017, 162, 114-119.	6.2	31
10	Electrodeposition of Indium on Copper for CIS and CIGS Solar Cell Applications. Journal of the Electrochemical Society, 2011, 158, D57.	2.9	30
11	Key role of Cuâ€“Se binary phases in electrodeposited CuInSe2 precursors on final distribution of Cuâ€“S phases in CuIn(S,Se)2 absorbers. Thin Solid Films, 2009, 517, 2268-2271.	1.8	29
12	Assessment of absorber composition and nanocrystalline phases in CuInS2 based photovoltaic technologies by ex-situ/in-situ resonant Raman scattering measurements. Solar Energy Materials and Solar Cells, 2011, 95, S83-S88.	6.2	27
13	Electrochemical determination of acidity level and dissociation of formic acid/water mixtures as solvent. Electrochimica Acta, 2007, 52, 5773-5780.	5.2	23
14	Electrodeposition based synthesis of S-rich CuIn(S,Se)2 layers for photovoltaic applications: Raman scattering analysis of electrodeposited CuInSe2 precursors. Thin Solid Films, 2009, 517, 2163-2166.	1.8	21
15	Sulfurization of Cuâ€“In electrodeposited precursors for CuInS2-based solar cells. Solar Energy Materials and Solar Cells, 2011, 95, S13-S17.	6.2	21
16	Custom-Made Ion Exchange Membranes at Laboratory Scale for Reverse Electrodialysis. Membranes, 2019, 9, 145.	3.0	18
17	Amperometric Detection of Urea in Aqueous Solution by Poly(Ni-cyclam) Film-Modified Glassy Carbon Electrode. Electroanalysis, 2003, 15, 70-73.	2.9	14
18	Phase evolution during CuInSe2 electrodeposition on polycrystalline Mo. Thin Solid Films, 2010, 518, 3674-3679.	1.8	13

#	Article	IF	Citations
19	Rapid thermal processing annealing challenges for large scale Cu₂ZnSnS₄thin films. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 103-108.	1.8	13
20	Cu₂ ZnSnSe₄ thin film solar cells above 5% conversion efficiency from electrodeposited Cu Sn Zn precursors. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2082-2085.	1.8	7
21	Electrospinning of Polyepychlorhydrin and Polyacrylonitrile Anionic Exchange Membranes for Reverse Electrodialysis. Membranes, 2021, 11, 717.	3.0	7
22	Detrimental effect of Sn-rich secondary phases on Cu2ZnSnSe4 based solar cells. Journal of Renewable and Sustainable Energy, 2016, 8, 033502.	2.0	6
23	Real-Time Raman Scattering Analysis of the Electrochemical Growth of CuInSe2 Precursors for CuIn(S,Se)2 Solar Cells. Journal of the Electrochemical Society, 2011, 158, H521.	2.9	5
24	Electrodeposited Gallium Alloy Thin Films Synthesized by Solid State Reactions for CIGS Solar Cell. Journal of the Electrochemical Society, 2011, 159, D129-D134.	2.9	4
25	Rapid thermal processing of annealing challenges for large scale Cu₂ZnSnS₄ thin films. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 103-108. display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.. Energy Proce	1.8	3
26	Synthesis and characterization of novel functionalized perarylated polysiloxane for proton exchange membrane fuel cells. MRS Advances, 2019, 4, 3579-3585.	0.9	0