

Jesús S Jaime-Ferrer

List of Publications by Year in descending order

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26
papers

705
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516710

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580821

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docs citations

26
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospinning of Polyepychlorhydrin and Polyacrylonitrile Anionic Exchange Membranes for Reverse Electrodialysis. <i>Membranes</i> , 2021, 11, 717.	3.0	7
2	Custom-Made Ion Exchange Membranes at Laboratory Scale for Reverse Electrodialysis. <i>Membranes</i> , 2019, 9, 145.	3.0	18
3	Synthesis and characterization of novel functionalized perarylated polysiloxane for proton exchange membrane fuel cells. <i>MRS Advances</i> , 2019, 4, 3579-3585.	0.9	0
4	The impact of reducing the thickness of electrodeposited stacked Cu/In/Ga layers on the performance of CIGS solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 162, 114-119.	6.2	31
5	Detrimental effect of Sn-rich secondary phases on Cu ₂ ZnSnSe ₄ based solar cells. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, 033502.	2.0	6
6	8.2% pure selenide kesterite thin-film solar cells from large-area electrodeposited precursors. <i>Progress in Photovoltaics: Research and Applications</i> , 2016, 24, 38-51.	8.1	52
7	Electrodeposition of ZnO window layer for an all-atmospheric fabrication process of chalcogenide solar cell. <i>Scientific Reports</i> , 2015, 5, 8961.	3.3	50
8	Rapid thermal processing annealing challenges for large scale Cu ₂ ZnSnS ₄ thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 103-108.	1.8	13
9	Electrodeposition of kesterite thin films for photovoltaic applications: Quo vadis?. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 88-102.	1.8	51
10	Cu ₂ ZnSnSe ₄ thin film solar cells above 5% conversion efficiency from electrodeposited Cu Sn Zn precursors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2082-2085.	1.8	7
11	Electrodeposited Gallium Alloy Thin Films Synthesized by Solid State Reactions for CIGS Solar Cell. <i>Journal of the Electrochemical Society</i> , 2011, 159, D129-D134.	2.9	4
12	Electrodeposition of Indium on Copper for CIS and CIGS Solar Cell Applications. <i>Journal of the Electrochemical Society</i> , 2011, 158, D57.	2.9	30
13	Process monitoring of chalcopyrite photovoltaic technologies by Raman spectroscopy: an application to low cost electrodeposition based processes. <i>New Journal of Chemistry</i> , 2011, 35, 453-460.	2.8	52
14	Sulfurization of Cu-In electrodeposited precursors for CuInS ₂ -based solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, S13-S17.	6.2	21
15	Assessment of absorber composition and nanocrystalline phases in CuInS ₂ based photovoltaic technologies by ex-situ/in-situ resonant Raman scattering measurements. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, S83-S88.	6.2	27
16	Real-Time Raman Scattering Analysis of the Electrochemical Growth of CuInSe ₂ Precursors for CuIn(S,Se) ₂ Solar Cells. <i>Journal of the Electrochemical Society</i> , 2011, 158, H521.	2.9	5
17	Phase evolution during CuInSe ₂ electrodeposition on polycrystalline Mo. <i>Thin Solid Films</i> , 2010, 518, 3674-3679.	1.8	13
18	Rapid thermal processing of $\langle \text{mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.. Energy Proce$	1.8	3

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19	Electrodeposition based synthesis of S-rich $\text{CuIn}(\text{S},\text{Se})_2$ layers for photovoltaic applications: Raman scattering analysis of electrodeposited CuInSe_2 precursors. <i>Thin Solid Films</i> , 2009, 517, 2163-2166.	1.8	21
20	Two-compartment bipolar membrane electrodialysis for splitting of sodium formate into formic acid and sodium hydroxide: Modelling. <i>Journal of Membrane Science</i> , 2009, 328, 75-80.	8.2	35
21	Raman scattering and structural analysis of electrodeposited CuInSe_2 and S-rich quaternary $\text{CuIn}(\text{S},\text{Se})_2$ semiconductors for solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1001-1004.	1.8	51
22	Key role of Cu-Se binary phases in electrodeposited CuInSe_2 precursors on final distribution of Cu-S phases in $\text{CuIn}(\text{S},\text{Se})_2$ absorbers. <i>Thin Solid Films</i> , 2009, 517, 2268-2271.	1.8	29
23	Three-compartment bipolar membrane electrodialysis for splitting of sodium formate into formic acid and sodium hydroxide: Role of diffusion of molecular acid. <i>Journal of Membrane Science</i> , 2008, 325, 528-536.	8.2	62
24	Electrochemical determination of acidity level and dissociation of formic acid/water mixtures as solvent. <i>Electrochimica Acta</i> , 2007, 52, 5773-5780.	5.2	23
25	Formic acid regeneration by electromembrane processes. <i>Journal of Membrane Science</i> , 2006, 280, 509-516.	8.2	80
26	Amperometric Detection of Urea in Aqueous Solution by Poly(Ni-cyclam) Film-Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2003, 15, 70-73.	2.9	14