

Jeffrey R S Brownson

List of Publications by Year in descending order

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25
papers

647
citations

623734

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677142

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28
all docs

28
docs citations

28
times ranked

945
citing authors

#	ARTICLE	IF	CITATIONS
1	GIS Information for Solar PV Energy Siting: A Case Study in the Borough of State College, PA, USA. , 2020, , .		0
2	Skill and Skill Prediction of Cloud-Track Advection-Only Forecasting under a Cumulus-Dominated Regime. Journal of Applied Meteorology and Climatology, 2017, 56, 651-665.	1.5	0
3	Solar Farm Suitability Using Geographic Information System Fuzzy Sets and Analytic Hierarchy Processes: Case Study of Ulleung Island, Korea. Energies, 2016, 9, 648.	3.1	61
4	Using multi-pyranometer arrays and neural networks to estimate direct normal irradiance. Solar Energy, 2015, 119, 531-542.	6.1	11
5	Solar resource-reserve classification and flow-based economic analysis. Solar Energy, 2015, 116, 45-55.	6.1	2
6	Portfolio analysis of solar photovoltaics: Quantifying the contributions of locational marginal pricing and power on revenue variability. Solar Energy, 2015, 119, 277-285.	6.1	2
7	An automated model for rooftop PV systems assessment in ArcGIS using LIDAR. AIMS Energy, 2015, 3, 401-420.	1.9	39
8	Investigation of RF-sputtered tin sulfide thin films with in situ heating for photovoltaic applications. , 2014, , .		1
9	Temperature Dependent Power Modeling of Photovoltaics. Energy Procedia, 2014, 57, 745-754.	1.8	32
10	Microwave-hydrothermal/solvothermal synthesis of kesterite, an emerging photovoltaic material. Ceramics International, 2014, 40, 1985-1992.	4.8	18
11	Optical Properties of Sputtered SnS Thin Films for Photovoltaic Absorbers. IEEE Journal of Photovoltaics, 2013, 3, 1084-1089.	2.5	45
12	Phase identification of RF-sputtered SnS thin films using rietveld analysis of X-ray diffraction patterns. , 2013, , .		3
13	Irradiance co-spectrum analysis: Tools for decision support and technological planning. Solar Energy, 2013, 95, 364-375.	6.1	8
14	Microwave- and conventional-hydrothermal synthesis of CuS, SnS and ZnS: Optical properties. Ceramics International, 2013, 39, 4757-4763.	4.8	63
15	Nanocomposite synthesis and characterization of Kesterite, Cu ₂ ZnSnS ₄ (CZTS) for photovoltaic applications. Ceramics International, 2013, 39, 7935-7941.	4.8	13
16	Framing the Sun and Buildings as Commons. Buildings, 2013, 3, 659-673.	3.1	5
17	Fabrication of Thin Films Composed of ZnO Nanorods Using Electrophoretic Deposition. International Journal of Applied Ceramic Technology, 2012, 9, 115-123.	2.1	14
18	PV Analyst: Coupling ArcGIS with TRNSYS to assess distributed photovoltaic potential in urban areas. Solar Energy, 2011, 85, 2924-2939.	6.1	78

#	ARTICLE	IF	CITATIONS
19	Nanostructured Co^{I} - and Co^{II} -cobalt hydroxide thin films. <i>Electrochimica Acta</i> , 2009, 54, 6637-6644.	5.2	45
20	Electrodeposition of Co^{I} and Co^{II} -cobalt hydroxide thin films via dilute nitrate solution reduction. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1785-1791.	1.5	40
21	Chemistry of Tin Monosulfide (SnS) Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2008, 155, D40.	2.9	33
22	Synthesis of a SnS Polymorph by Electrodeposition. <i>Chemistry of Materials</i> , 2006, 18, 6397-6402.	6.7	42
23	FTIR Spectroscopy of Alcohol and Formate Interactions with Mesoporous TiO_2 Surfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12494-12499.	2.6	40
24	Surface Re-Esterification and Photo Sintering of Titania Xerogel Thin Films. <i>Chemistry of Materials</i> , 2005, 17, 3025-3030.	6.7	9
25	Photoreactive Anatase Consolidation Characterized by FTIR Spectroscopy. <i>Chemistry of Materials</i> , 2005, 17, 6304-6310.	6.7	37