Jeffrey R S Brownson

List of Publications by Year
in descending order

25	647	623734	677142
papers	citations	14 h-index	22 g-index

28	28	28	945
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PV Analyst: Coupling ArcGIS with TRNSYS to assess distributed photovoltaic potential in urban areas. Solar Energy, 2011, 85, 2924-2939.	6.1	78
2	Microwave- and conventional-hydrothermal synthesis of CuS, SnS and ZnS: Optical properties. Ceramics International, 2013, 39, 4757-4763.	4.8	63
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	Nanostructured Î±- and Î²-cobalt hydroxide thin films. Electrochimica Acta, 2009, 54, 6637-6644.	5.2	45
5	Optical Properties of Sputtered SnS Thin Films for Photovoltaic Absorbers. IEEE Journal of Photovoltaics, 2013, 3, 1084-1089.	2.5	45
6	Synthesis of a Î´-SnS Polymorph by Electrodeposition. Chemistry of Materials, 2006, 18, 6397-6402.	6.7	42
7	FTIR Spectroscopy of Alcohol and Formate Interactions with Mesoporous TiO2Surfaces. Journal of Physical Chemistry B, 2006, 110, 12494-12499.	2.6	40
8	Electrodeposition of Î±â€•and Î²â€cobalt hydroxide thin films via dilute nitrate solution reduction. Physica Status Solidi (B): Basic Research, 2008, 245, 1785-1791.	1.5	40
9	An automated model for rooftop PV systems assessment in ArcGIS using LIDAR. AIMS Energy, 2015, 3, 401-420.	1.9	39
10	Photoreactive Anatase Consolidation Characterized by FTIR Spectroscopy. Chemistry of Materials, 2005, 17, 6304-6310.	6.7	37
11	Chemistry of Tin Monosulfide (Î´-SnS) Electrodeposition. Journal of the Electrochemical Society, 2008, 155, D40.	2.9	33
12	Temperature Dependent Power Modeling of Photovoltaics. Energy Procedia, 2014, 57, 745-754.	1.8	32
13	Microwave-hydrothermal/solvothermal synthesis of kesterite, an emerging photovoltaic material. Ceramics International, 2014, 40, 1985-1992.	4.8	18
14	Fabrication of Thinâ€Films Composed of ZnO Nanorods Using Electrophoretic Deposition. International Journal of Applied Ceramic Technology, 2012, 9, 115-123.	2.1	14
15	Nanocomposite synthesis and characterization of Kesterite, Cu2ZnSnS4 (CZTS) for photovoltaic applications. Ceramics International, 2013, 39, 7935-7941.	4.8	13
16	Using multi-pyranometer arrays and neural networks to estimate direct normal irradiance. Solar Energy, 2015, 119, 531-542.	6.1	11
17	Surface Re-Esterification and Photo Sintering of Titania Xerogel Thin Films. Chemistry of Materials, 2005, 17, 3025-3030.	6.7	9
18	Irradiance co-spectrum analysis: Tools for decision support and technological planning. Solar Energy, 2013, 95, 364-375.	6.1	8

#	Article	IF	Citations
19	Framing the Sun and Buildings as Commons. Buildings, 2013, 3, 659-673.	3.1	5
20	Phase identification of RF-sputtered SnS thin films using rietveld analysis of X-ray diffraction patterns. , 2013, , .		3
21	Solar resource-reserve classification and flow-based economic analysis. Solar Energy, 2015, 116, 45-55.	6.1	2
22	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
23	Investigation of RF-sputtered tin sulfide thin films with in situ heating for photovoltaic applications. , 2014, , .		1
24	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
25	GIS Information for Solar PV Energy Siting: A Case Study in the Borough of State College, PA, USA. , 2020, , .		0