Serap GÃ¼neÅ

List of Publications by Year
in descending order

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31 papers	7,052 citations	623188 14 h-index	454577 30 g-index
33 all docs	33 docs citations	33 times ranked	9215 citing authors

#	Article	IF	Citations
1	Conjugated Polymer-Based Organic Solar Cells. Chemical Reviews, 2007, 107, 1324-1338.	23.0	5,925
2	Hybrid solar cells. Inorganica Chimica Acta, 2008, 361, 581-588.	1.2	279
3	Hybrid solar cells using PbS nanoparticles. Solar Energy Materials and Solar Cells, 2007, 91, 420-423.	3.0	194
4	Extended Photocurrent Spectrum of a Low Band Gap Polymer in a Bulk Heterojunction Solar Cell. Chemistry of Materials, 2005, 17, 4031-4033.	3.2	193
5	Quasi-solid-state dye-sensitized solar cells with cyanoacrylate as electrolyte matrix. Solar Energy Materials and Solar Cells, 2007, 91, 1081-1086.	3.0	54
6	Photovoltaic characterization of hybrid solar cells using surface modified TiO₂nanoparticles and poly(3-hexyl)thiophene. Nanotechnology, 2008, 19, 424009.	1.3	53
7	Precursor route poly(thienylene vinylene) for organic solar cells: Photophysics and photovoltaic performance. Solar Energy Materials and Solar Cells, 2006, 90, 2815-2828.	3.0	47
8	Effect of boric acid doped PEDOT:PSS layer on the performance of P3HT:PCBM based organic solar cells. Synthetic Metals, 2016, 212, 12-18.	2.1	34
9	Photovoltaic and photophysical properties of a novel bis-3-hexylthiophene substituted quinoxaline derivative. Solar Energy Materials and Solar Cells, 2008, 92, 1162-1169.	3.0	30
10	Preparation of anatase form of TiO2 thin film at room temperature by electrochemical method as an alternative electron transport layer for inverted type organic solar cells. Thin Solid Films, 2020, 706, 138093.	0.8	27
11	Inverted structure hybrid solar cells using CdS thin films. Solar Energy Materials and Solar Cells, 2013, 116, 224-230.	3.0	24
12	Photovoltaic activity of a PolyProDOT derivative in a bulk heterojunction solar cell. Solar Energy Materials and Solar Cells, 2006, 90, 3531-3546.	3.0	18
13	Comparison of ZnO interlayers in inverted bulk heterojunction solar cells. Applied Energy, 2012, 96, 417-421.	5.1	17
14	Hybrid solar cells using CdS thin films deposited via spray pyrolysis technique. Thin Solid Films, 2013, 540, 242-246.	0.8	16
15	Vacuum-free processed bulk heterojunction solar cells with E-GaIn cathode as an alternative to Al electrode. Journal Physics D: Applied Physics, 2015, 48, 175102.	1.3	15
16	Influences of annealing temperature and thickness on ZnS buffer layers for inverted hybrid solar cells. Synthetic Metals, 2016, 220, 1-7.	2.1	14
17	Effect of UV exposure of ITO/PEDOT:PSS substrates on the performance of inverted-type perovskite solar cells. Journal of Materials Science: Materials in Electronics, 2020, 31, 7968-7980.	1.1	13
18	The effect of functionalized single walled carbon nanotube with octadecylamine on efficiency of poly-(3-hexylthiophene): [(6,6)] phenyl C61 butyric acid methyl ester organic solar cells. Physica B: Condensed Matter, 2015, 461, 85-91.	1.3	12

#	Article	IF	Citations
19	A green neutral state donorâ€“acceptor copolymer for organic solar cells. Polymer Chemistry, 2010, 1, 1245.	1.9	10
20	A novel method for graphene synthesis via electrochemical process and its utilization in organic photovoltaic devices. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	10
21	Bulk heterojunction and inverted type solar cells using a CN-PPV derivative. Solar Energy Materials and Solar Cells, 2012, 98, 94-102.	3.0	9
22	Improvement of photovoltaic performance and stability of AnE-PV:PCBM based organic solar cells using solution processed inverted geometry. Vacuum, 2015, 122, 161-167.	1.6	9
23	Improvement in photovoltaic performance of anthracene-containing PPEâ€“PPV polymer-based bulk heterojunction solar cells with silver nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	8
24	Theoretical and experimental investigations of the 2-(4-chlorophenyl)-3-{[5-(2-cyano-2-phenylethenyl)]furan-2-yl}acrylonitrile molecule as a potential acceptor in organic solar cells. Nanotechnology, 2016, 27, 234003.	1.3	7
25	Laminated Carbon Nanotubes for the Facile Fabrication of Cost-Effective Polymer Solar Cells. ACS Applied Energy Materials, 2018, 1, 1226-1232.	2.5	7
26	Zn Phthalocyanine Derivatives for Solutionâ€Processed Small Molecule Organic Solar Cells. ChemistrySelect, 2018, 3, 13692-13699.	0.7	7
27	Influences of CdSe NCs on the photovoltaic parameters of BHJ organic solar cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 194, 50-56.	2.0	6
28	Effects of different formulation PEDOT:PSS hole transport layers on photovoltaic performance of organic solar cells. Polymers for Advanced Technologies, 2017, 28, 947-951.	1.6	5
29	4.15 Solar Cells. , 2018, , 637-658.		4
30	Investigation of various commercial PEDOT:PSS (poly(3,4-ethylenedioxythiophene)polystyrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Journal of Materials Science: Materials in Electronics, 2021, 32, 21450-21461.	1.1	3
31	Photoresponse Of Organic Field-Effect Transistors Based On Soluble Semiconductors And Dielectrics. Materials Research Society Symposia Proceedings, 2005, 871, 1.	0.1	0