

Joseph Asare

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

588
citations

687363

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610901

24
g-index

28
all docs

28
docs citations

28
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of blister formation on the degradation of organic light emitting devices. AIP Advances, 2022, 12, 035308.	1.3	0
2	Pressure-assisted fabrication of perovskite light emitting devices. AIP Advances, 2021, 11, 025112.	1.3	2
3	Pressure and thermal annealing effects on the photoconversion efficiency of polymer solar cells. AIP Advances, 2021, 11, .	1.3	2
4	A Hybrid Hole Transport Layer for Perovskite-Based Solar Cells. Energies, 2021, 14, 1949.	3.1	7
5	Effects of substrates on the performance of optoelectronic devices: A review. Cogent Engineering, 2020, 7, 1829274.	2.2	9
6	Failure of Stretchable Organic Solar Cells under Monotonic and Cyclic Loading. Macromolecular Materials and Engineering, 2020, 305, 2000369.	3.6	6
7	Pressure-Assisted Fabrication of Perovskite Solar Cells. Scientific Reports, 2020, 10, 7183.	3.3	34
8	Degradable porous drug-loaded polymer scaffolds for localized cancer drug delivery and breast cell/tissue growth. Materials Science and Engineering C, 2020, 112, 110794.	7.3	38
9	Prodigiosin-loaded electrospun nanofibers scaffold for localized treatment of triple negative breast cancer. Materials Science and Engineering C, 2020, 114, 110976.	7.3	27
10	An approach to optimize pre-annealing aging and anneal conditions to improve photovoltaic performance of perovskite solar cells. Materials for Renewable and Sustainable Energy, 2019, 8, 1.	3.6	11
11	A shear assay study of single normal/breast cancer cell deformation and detachment from poly-di-methyl-siloxane (PDMS) surfaces. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 76-90.	3.1	6
12	Enhanced cellular uptake of LHRH-conjugated PEG-coated magnetite nanoparticles for specific targeting of triple negative breast cancer cells. Materials Science and Engineering C, 2018, 88, 32-45.	7.3	41
13	Effects of pre-buckling on the bending of organic electronic structures. AIP Advances, 2017, 7, .	1.3	5
14	Pressure effects on interfacial surface contacts and performance of organic solar cells. Journal of Applied Physics, 2017, 122, .	2.5	7
15	Extraction and encapsulation of prodigiosin in chitosan microspheres for targeted drug delivery. Materials Science and Engineering C, 2017, 71, 268-278.	7.3	72
16	Cold welding of organic light emitting diode: Interfacial and contact models. AIP Advances, 2016, 6, .	1.3	10
17	Effects of pressure on nano- and micro-scale morphological changes in conjugated polymer photovoltaic cells. Journal of Materials Research, 2016, 31, 3187-3195.	2.6	3
18	PLGA-based microparticles loaded with bacterial-synthesized prodigiosin for anticancer drug release: Effects of particle size on drug release kinetics and cell viability. Materials Science and Engineering C, 2016, 66, 51-65.	7.3	65

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19	Swelling of poly(N-isopropylacrylamide) P(NIPA)-based hydrogels with bacterial-synthesized prodigiosin for localized cancer drug delivery. <i>Materials Science and Engineering C</i> , 2016, 59, 19-29.	7.3	25
20	Lamination of organic solar cells and organic light emitting devices: Models and experiments. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	12
21	Micro-wrinkling and delamination-induced buckling of stretchable electronic structures. <i>Journal of Applied Physics</i> , 2015, 117, 235501.	2.5	27
22	Biosynthesis and the conjugation of magnetite nanoparticles with luteinizing hormone releasing hormone (LHRH). <i>Materials Science and Engineering C</i> , 2015, 46, 482-496.	7.3	47
23	Pressure-assisted fabrication of organic light emitting diodes with MoO ₃ hole-injection layer materials. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	18
24	Adhesion and degradation of organic and hybrid organic-inorganic light-emitting devices. <i>Journal of Applied Physics</i> , 2014, 115, 084504.	2.5	11
25	Adhesion in flexible organic and hybrid organic/inorganic light emitting device and solar cells. <i>Journal of Applied Physics</i> , 2014, 116, 074506.	2.5	24
26	Prodigiosin release from an implantable biomedical device: kinetics of localized cancer drug release. <i>Materials Science and Engineering C</i> , 2014, 42, 734-745.	7.3	24
27	Adhesion in organic electronic structures. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	48
28	Deformation and Failure of Bendable Organic Solar Cells. <i>Advanced Materials Research</i> , 0, 1132, 116-124.	0.3	7