

Joseph Asare

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

588
citations

687363

13
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction and encapsulation of prodigiosin in chitosan microspheres for targeted drug delivery. <i>Materials Science and Engineering C</i> , 2017, 71, 268-278.	7.3	72
2	PLGA-based microparticles loaded with bacterial-synthesized prodigiosin for anticancer drug release: Effects of particle size on drug release kinetics and cell viability. <i>Materials Science and Engineering C</i> , 2016, 66, 51-65.	7.3	65
3	Adhesion in organic electronic structures. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	48
4	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
5	Enhanced cellular uptake of LHRH-conjugated PEG-coated magnetite nanoparticles for specific targeting of triple negative breast cancer cells. <i>Materials Science and Engineering C</i> , 2018, 88, 32-45.	7.3	41
6	Degradable porous drug-loaded polymer scaffolds for localized cancer drug delivery and breast cell/tissue growth. <i>Materials Science and Engineering C</i> , 2020, 112, 110794.	7.3	38
7	Pressure-Assisted Fabrication of Perovskite Solar Cells. <i>Scientific Reports</i> , 2020, 10, 7183.	3.3	34
8	Micro-wrinkling and delamination-induced buckling of stretchable electronic structures. <i>Journal of Applied Physics</i> , 2015, 117, 235501.	2.5	27
9	Prodigiosin-loaded electrospun nanofibers scaffold for localized treatment of triple negative breast cancer. <i>Materials Science and Engineering C</i> , 2020, 114, 110976.	7.3	27
10	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
11	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
12	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
13	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
14	Lamination of organic solar cells and organic light emitting devices: Models and experiments. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	12
15	Adhesion and degradation of organic and hybrid organic-inorganic light-emitting devices. <i>Journal of Applied Physics</i> , 2014, 115, 084504.	2.5	11
16	An approach to optimize pre-annealing aging and anneal conditions to improve photovoltaic performance of perovskite solar cells. <i>Materials for Renewable and Sustainable Energy</i> , 2019, 8, 1.	3.6	11
17	Cold welding of organic light emitting diode: Interfacial and contact models. <i>AIP Advances</i> , 2016, 6, .	1.3	10
18	Effects of substrates on the performance of optoelectronic devices: A review. <i>Cogent Engineering</i> , 2020, 7, 1829274.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Deformation and Failure of Bendable Organic Solar Cells. <i>Advanced Materials Research</i> , 0, 1132, 116-124.	0.3	7
20	Pressure effects on interfacial surface contacts and performance of organic solar cells. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	7
21	A Hybrid Hole Transport Layer for Perovskite-Based Solar Cells. <i>Energies</i> , 2021, 14, 1949.	3.1	7
22	A shear assay study of single normal/breast cancer cell deformation and detachment from poly-di-methyl-siloxane (PDMS) surfaces. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 76-90.	3.1	6
23	Failure of Stretchable Organic Solar Cells under Monotonic and Cyclic Loading. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000369.	3.6	6
24	Effects of pre-buckling on the bending of organic electronic structures. <i>AIP Advances</i> , 2017, 7, .	1.3	5
25	Effects of pressure on nano- and micro-scale morphological changes in conjugated polymer photovoltaic cells. <i>Journal of Materials Research</i> , 2016, 31, 3187-3195.	2.6	3
26	Pressure-assisted fabrication of perovskite light emitting devices. <i>AIP Advances</i> , 2021, 11, 025112.	1.3	2
27	Pressure and thermal annealing effects on the photoconversion efficiency of polymer solar cells. <i>AIP Advances</i> , 2021, 11, .	1.3	2
28	Effects of blister formation on the degradation of organic light emitting devices. <i>AIP Advances</i> , 2022, 12, 035308.	1.3	0