

Y Danyuo

List of Publications by Year in descending order

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67
papers

1,986
citations

218677

26
h-index

254184

43
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69
all docs

69
docs citations

69
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Triptorelin-functionalized PEG-coated biosynthesized gold nanoparticles: Effects of receptor-ligand interactions on adhesion to triple negative breast cancer cells. , 2022, 136, 212801.		9
2	Surface coating and wettability study of PDMS-based composites: Effect on contact angle and cell-surface interaction. MRS Advances, 2022, 7, 656-662.	0.9	1
3	Release kinetics of fungicidal antimicrobials into packaged foods. Journal of Food Safety, 2021, 41, e12904.	2.3	1
4	In vitro studies of Annona muricata L . extractâ€loaded electrospun scaffolds for localized treatment of breast cancer. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 2041-2056.	3.4	7
5	Cellâ€surface interactions on goldâ€coated p olydimethylsiloxane nanocomposite structures: Localized laser heating on cell viability. Journal of Biomedical Materials Research - Part A, 2021, 109, 2611-2624.	4.0	1
6	Development of a Low-cost Biomedical Device to Enhance Pneumonia Diagnosis in Children. MRS Advances, 2020, 5, 1367-1375.	0.9	1
7	Recycling of plastic waste materials: mechanical properties and implications for road construction. MRS Advances, 2020, 5, 1305-1312.	0.9	4
8	Effect of particle size and sintering time on the mechanical properties of porous Tiâ€6Alâ€4V implant. SN Applied Sciences, 2020, 2, 1.	2.9	5
9	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
10	Mechanical Characterization of Earth-Based Composites Materials Reinforced with Treated Bamboo Fibres for Affordable Housing. MRS Advances, 2020, 5, 1313-1321.	0.9	4
11	Prodigiosin-loaded electrospun nanofibers scaffold for localized treatment of triple negative breast cancer. Materials Science and Engineering C, 2020, 114, 110976.	7.3	27
12	Laser Application of Nanocomposite Hydrogels on Cancer Cell Viability. MRS Advances, 2020, 5, 1377-1385.	0.9	0
13	Compressive deformation and failure of trabecular structures in a turtle shell. Acta Biomaterialia, 2019, 97, 535-543.	8.3	18
14	Synthesis and characterization of hydroxyapatite from bovine bone for production of dental implants. Journal of Applied Biomaterials and Functional Materials, 2019, 17, 228080001983682.	1.6	35
15	Anomalous Release Kinetics of Prodigiosin from Poly-N-Isopropyl-Acrylamid based Hydrogels for The Treatment of Triple Negative Breast Cancer. Scientific Reports, 2019, 9, 3862.	3.3	60
16	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
17	Mechanical and Physical Properties of Laterite Bricks Reinforced with Reprocessed Polyethylene Waste for Building Applications. Journal of Materials in Civil Engineering, 2018, 30, 04018039.	2.9	13
18	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

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19	Computational modeling of drug diffusion and inductive heating in an implantable biomedical device for localized thermo-chemotherapy of cancer cells/tissue. <i>Cogent Engineering</i> , 2018, 5, 1463814.	2.2	6
20	Biosynthesis of Gold Nanoparticles and Gold/Prodigiosin Nanoparticles with <i>Serratia marcescens</i> Bacteria. <i>Waste and Biomass Valorization</i> , 2017, 8, 2045-2059.	3.4	27
21	Extended pulsated drug release from PLGA-based minirods. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 61.	3.6	3
22	A comparative study of the adhesion of biosynthesized gold and conjugated gold/prodigiosin nanoparticles to triple negative breast cancer cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 143.	3.6	8
23	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
24	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
25	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
26	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
27	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
28	Biosynthesis and adhesion of gold nanoparticles for breast cancer detection and treatment. <i>Journal of Materials Research</i> , 2012, 27, 2891-2901.	2.6	30
29	Mechanical properties, modeling and design of porous clay ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 558, 21-29.	5.6	47
30	An in-vitro study of the effects of temperature on breast cancer cells: Experiments and models. <i>Materials Science and Engineering C</i> , 2012, 32, 2242-2249.	7.3	10
31	Swelling and diffusion of PNIPA-based gels for localized chemotherapy and hyperthermia. <i>Materials Science and Engineering C</i> , 2012, 32, 24-30.	7.3	15
32	Mechanical properties of functionally graded hierarchical bamboo structures. <i>Acta Biomaterialia</i> , 2011, 7, 3796-3803.	8.3	260
33	Effects of temperature on diffusion from PNIPA-based gels in a BioMEMS device for localized chemotherapy and hyperthermia. <i>Materials Science and Engineering C</i> , 2011, 31, 67-76.	7.3	23
34	Mixed mode fracture of marble/adhesive interfaces. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 4939-4946.	5.6	37
35	Swelling and diffusion characteristics of modified poly (N-isopropylacrylamide) hydrogels. <i>Materials Science and Engineering C</i> , 2010, 30, 8-13.	7.3	46
36	Nano-second UV laser processed micro-grooves on Ti6Al4V for biomedical applications. <i>Materials Science and Engineering C</i> , 2009, 29, 5-13.	7.3	94

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37	Investigation of the spreading and adhesion of human osteosarcoma cells on smooth and micro-grooved polydimethylsiloxane surfaces. <i>Materials Science and Engineering C</i> , 2009, 29, 119-125.	7.3	11
38	Investigation of effects of Arginine-Glycine-Aspartate (RGD) and nano-scale titanium coatings on cell spreading and adhesion. <i>Materials Science and Engineering C</i> , 2009, 29, 306-314.	7.3	12
39	Shear assay measurements of cell adhesion on biomaterials surfaces. <i>Materials Science and Engineering C</i> , 2009, 29, 1293-1301.	7.3	15
40	LHRH-functionalized superparamagnetic iron oxide nanoparticles for breast cancer targeting and contrast enhancement in MRI. <i>Materials Science and Engineering C</i> , 2009, 29, 1467-1479.	7.3	77
41	Cell/surface interactions of human osteo-sarcoma (HOS) cells and micro-patterned polydimethylsiloxane (PDMS) surfaces. <i>Materials Science and Engineering C</i> , 2009, 29, 2011-2018.	7.3	21
42	Fatigue and Fracture of a Bulk Nanocrystalline NiFe Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008, 39, 1145-1156.	2.2	40
43	Bioinspired design of dental multilayers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 464, 315-320.	5.6	40
44	An Experimental Study of Fracture of LIGA Ni Micro-Electro-Mechanical Systems Thin Films. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 1223-1230.	2.2	4
45	Fatigue of LIGA Ni Micro-Electro-Mechanical System Thin Films. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 2340-2348.	2.2	10
46	Strain gradient plasticity length scale parameters for LIGA Ni MEMs thin films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 441, 299-307.	5.6	32
47	A TEM study of functionalized magnetic nanoparticles targeting breast cancer cells. <i>Materials Science and Engineering C</i> , 2006, 26, 1451-1455.	7.3	14
48	Interfacial failure of a dental cement composite bonded to glass substrates. <i>Dental Materials</i> , 2006, 22, 585-591.	3.5	17
49	An investigation of the effects of microstructure on dwell fatigue crack growth in Ti-6242. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 405, 111-134.	5.6	52
50	Mechanisms and mechanics of compressive deformation in open-cell Al foams. <i>Mechanics of Materials</i> , 2004, 36, 781-797.	3.2	82
51	An investigation of fatigue in LIGA Ni MEMS thin films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 371, 256-266.	5.6	76
52	On the evolution of surface morphology of polysilicon MEMS structures during fatigue. <i>Mechanics of Materials</i> , 2004, 36, 35-44.	3.2	28
53	An investigation of fatigue crack nucleation and growth in a Ti-6Al-4V/TiB in situ composite. <i>Mechanics of Materials</i> , 2004, 36, 141-159.	3.2	54
54	An investigation of the effects of microstructure and stress ratio on fatigue crack growth in Ti-6Al-4V with colony λ/λ^2 microstructures. <i>Mechanics of Materials</i> , 2004, 36, 161-175.	3.2	30

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55	Compressionâ€“compression fatigue of open cell aluminum foams: macro-/micro- mechanisms and the effects of heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 369, 23-35.	5.6	89
56	A probabilistic multiparameter framework for the modeling of fatigue crack growth in concrete. <i>Cement and Concrete Composites</i> , 2003, 25, 607-615.	10.7	5
57	Microstructure and mechanical properties of a $\hat{1}^2$ Nbâ€“Ti based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 328, 122-132.	5.6	13
58	Probabilistic modeling of fatigue crack growth in Tiâ€“6Alâ€“4V. <i>International Journal of Fatigue</i> , 2001, 23, 917-925.	5.7	19
59	An investigation of the effects of temperature on fatigue crack growth in a cast lamellar Tiâ€“45Alâ€“2Mnâ€“2Nb+0.8 vol.% TiB ₂ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 319-321, 618-624.	5.6	8
60	A physically-based model for the prediction of long fatigue crack growth in Tiâ€“6Alâ€“4V. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 315, 1-10.	5.6	18
61	Fatigue crack propagation and fracture characteristics of in-situ titanium-matrix composites. <i>International Journal of Fatigue</i> , 2000, 22, 161-174.	5.7	17
62	An investigation of short and long fatigue crack growth behavior of Tiâ€“6Alâ€“4V. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 287, 30-42.	5.6	44
63	An investigation of fatigue crack growth in a cast lamellar Tiâ€“48Alâ€“2Crâ€“2Nb alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 284, 235-245.	5.6	26
64	Synergistic toughening of a hybrid NiAl composite reinforced with partially stabilized zirconia and molybdenum particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 271, 491-495.	5.6	9
65	Prodigiosin Release from an Implantable Biomedical Device: Effect on Cell Viability. <i>Advanced Materials Research</i> , 0, 1132, 3-18.	0.3	8
66	Single Cell Deformation and Detachment Models of Shear Assay Measurements. <i>Advanced Materials Research</i> , 0, 1132, 51-71.	0.3	0
67	Biosynthesis of Gold Nanoparticles from <i>Nauclea latifolia</i> Leaves. <i>Advanced Materials Research</i> , 0, 1132, 36-50.	0.3	5