

Helen E Townley

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

887
citations

430874

18
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1609
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and Comparison of Mesoporous Silica Particles for Optimized Drug Delivery. <i>Nanomaterials and Nanotechnology</i> , 2014, 4, 2.	3.0	86
2	Species-specific antimicrobial activity of essential oils and enhancement by encapsulation in mesoporous silica nanoparticles. <i>Industrial Crops and Products</i> , 2018, 122, 582-590.	5.2	78
3	Role of various nanoparticles in photodynamic therapy and detection methods of singlet oxygen. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 162-178.	2.6	72
4	In vivo demonstration of enhanced radiotherapy using rare earth doped titania nanoparticles. <i>Nanoscale</i> , 2012, 4, 5043.	5.6	69
5	Enhancing cinnamon essential oil activity by nanoparticle encapsulation to control seed pathogens. <i>Industrial Crops and Products</i> , 2018, 124, 755-764.	5.2	57
6	Effects of mesoporous silica nanoparticles upon the function of mammalian sperm in vitro. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 859-870.	3.3	51
7	Physically stimulated nanotheranostics for next generation cancer therapy: Focus on magnetic and light stimulations. <i>Applied Physics Reviews</i> , 2019, 6, .	11.3	43
8	An evaluation of the activity of biologically synthesized silver nanoparticles against bacteria, fungi and mammalian cell lines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111156.	5.0	43
9	Nanoparticle augmented radiation treatment decreases cancer cell proliferation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 526-536.	3.3	36
10	Chromosome-free bacterial cells are safe and programmable platforms for synthetic biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6752-6761.	7.1	32
11	Surface engineered <i>Amphora subtropica</i> frustules using chitosan as a drug delivery platform for anticancer therapy. <i>Materials Science and Engineering C</i> , 2019, 94, 56-64.	7.3	29
12	Nanoparticle Activation Methods in Cancer Treatment. <i>Biomolecules</i> , 2019, 9, 202.	4.0	28
13	Bioink: a 3D-bioprinting tool for anticancer drug discovery and cancer management. <i>Drug Discovery Today</i> , 2021, 26, 1574-1590.	6.4	27
14	Functionalization of mesoporous silica nanoparticles with a cell-penetrating peptide to target mammalian sperm <i>in vitro</i> . <i>Nanomedicine</i> , 2015, 10, 1539-1553.	3.3	26
15	Effective delivery of volatile biocides employing mesoporous silicates for treating biofilms. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160650.	3.4	26
16	Cytotoxicity, dose-enhancement and radiosensitization of glioblastoma cells with rare earth nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 132-143.	2.8	25
17	Nanomedicine-driven molecular targeting, drug delivery, and therapeutic approaches to cancer chemoresistance. <i>Drug Discovery Today</i> , 2021, 26, 724-739.	6.4	25
18	Ophiobolin A, a sesterpenoid fungal phytotoxin, displays different mechanisms of cell death in mammalian cells depending upon the cancer cell origin. <i>International Journal of Oncology</i> , 2017, 50, 773-786.	3.3	20

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19	Comprehensive approach of hybrid nanoplatforms in drug delivery and theranostics to combat cancer. <i>Drug Discovery Today</i> , 2020, 25, 1245-1252.	6.4	20
20	Incorporation of Ophiobolin A into Novel Chemoembolization Particles for Cancer Cell Treatment. <i>Pharmaceutical Research</i> , 2014, 31, 2904-2917.	3.5	18
21	Realizing the therapeutic potential of rare earth elements in designing nanoparticles to target and treat glioblastoma. <i>Nanomedicine</i> , 2017, 12, 2389-2401.	3.3	15
22	Improved delivery of the anticancer agent citral using BSA nanoparticles and polymeric wafers. <i>Nanotechnology, Science and Applications</i> , 2017, Volume 10, 163-175.	4.6	13
23	Macrophage-like THP-1 cells show effective uptake of silica nanoparticles carrying inactivated diphtheria toxoid for vaccination. <i>Journal of Nanoparticle Research</i> , 2020, 22, 23.	1.9	13
24	Rare Earth Doped Titania Nanoparticles Upregulate Cellular Reactive Oxygen Species upon X-ray Irradiation. <i>BioNanoScience</i> , 2014, 4, 307-315.	3.5	6
25	An Assessment of Mesoporous Silica Nanoparticle Architectures as Antigen Carriers. <i>Pharmaceutics</i> , 2020, 12, 294.	4.5	6
26	The common diabetes drug metformin can diminish the action of citral against Rhabdomyosarcoma cells in vitro. <i>Phytotherapy Research</i> , 2021, 35, 1378-1388.	5.8	6
27	Histological Injury to Rat Brain, Liver, and Kidneys by Gold Nanoparticles is Dose-Dependent. <i>ACS Omega</i> , 2022, 7, 20656-20665.	3.5	6
28	Knock-down of ELMO1 in Paediatric Rhabdomyosarcoma Cells by Nanoparticle Mediated siRNA Delivery. <i>Nanobiomedicine</i> , 2016, 3, 4.	5.7	5
29	Augmented phytotoxic effect of nanoencapsulated ophiobolin A. <i>Natural Product Research</i> , 2022, 36, 1143-1150.	1.8	3
30	Nanoparticles as Vectors to Tackle Cancer. <i>Biomolecules</i> , 2021, 11, 1729.	4.0	3