

M Helen Grant

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

875
citations

516710

16
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

1314
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxic responses to 405nm light exposure in mammalian and bacterial cells: Involvement of reactive oxygen species. <i>Toxicology in Vitro</i> , 2016, 33, 54-62.	2.4	97
2	Inflammatory Pseudotumor Associated with Femoral Nerve Palsy Following Metal-on-Metal Resurfacing of the Hip. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008, 90, 1988-1993.	3.0	89
3	Effect of chromium and cobalt ions on primary human lymphocytes <i>in vitro</i> . <i>Journal of Immunotoxicology</i> , 2011, 8, 140-149.	1.7	84
4	The effects of 405 nm light on bacterial membrane integrity determined by salt and bile tolerance assays, leakage of UV-absorbing material and SYTOX green labelling. <i>Microbiology (United Kingdom)</i> , 2016, 162, 1680-1688.	1.8	53
5	Human Hepatic HepaRG Cells Maintain an Organotypic Phenotype with High Intrinsic CYP450 Activity/Metabolism and Significantly Outperform Standard HepG2/C3A Cells for Pharmaceutical and Therapeutic Applications. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 120, 30-37.	2.5	49
6	Identification of the benzodiazepines as a new class of antileishmanial agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 624-627.	2.2	42
7	Effects of CoCr metal wear debris generated from metal-on-metal hip implants and Co ions on human monocyte-like U937 cells. <i>Toxicology in Vitro</i> , 2015, 29, 271-280.	2.4	40
8	Effect of 405-nm high-intensity narrow-spectrum light on fibroblast-populated collagen lattices: an <i>in vitro</i> model of wound healing. <i>Journal of Biomedical Optics</i> , 2011, 16, 048003.	2.6	38
9	Acute inflammatory response to cobalt chromium orthopaedic wear debris in a rodent air-pouch model. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2109-2119.	3.4	32
10	CoCr wear particles generated from CoCr alloy metal-on-metal hip replacements, and cobalt ions stimulate apoptosis and expression of general toxicology-related genes in monocyte-like U937 cells. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 125-135.	2.8	30
11	In Vitro Analyses of the Toxicity, Immunological, and Gene Expression Effects of Cobalt-Chromium Alloy Wear Debris and Co Ions Derived from Metal-on-Metal Hip Implants. <i>Lubricants</i> , 2015, 3, 539-568.	2.9	28
12	Distribution of metal released from cobalt-chromium alloy orthopaedic wear particles implanted into air pouches in mice. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1529-1538.	4.0	26
13	Differential sensitivity of osteoblasts and bacterial pathogens to 405-nm light highlighting potential for decontamination applications in orthopedic surgery. <i>Journal of Biomedical Optics</i> , 2014, 19, 105001.	2.6	26
14	Bioinspired silica as drug delivery systems and their biocompatibility. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5028-5042.	5.8	26
15	The mechanical strength of collagen gels containing glycosaminoglycans and populated with fibroblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 697-706.	4.0	25
16	Bioinspired Silica Offers a Novel, Green, and Biocompatible Alternative to Traditional Drug Delivery Systems. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1493-1503.	5.2	22
17	Comparative chronic <i>in vitro</i> toxicity of hexavalent chromium to osteoblasts and monocytes. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 543-550.	4.0	16
18	The viability and function of primary rat hepatocytes cultured on polymeric membranes developed for hybrid artificial liver devices. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 73A, 367-375.	4.0	15

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19	Culture of a Differentiated Liver Cell Line, Hep G2, in Serum with Application to a Bioartificial Liver: Effect of Supplementation of Serum with Amino Acids. <i>Artificial Organs</i> , 1994, 18, 611-617.	1.9	14
20	Response to chronic exposure to hexavalent chromium in human monocytes. <i>Toxicology in Vitro</i> , 2009, 23, 647-652.	2.4	14
21	Effect of chromium and cobalt ions on phase I and phase II enzymatic activities in vitro in freshly isolated rat hepatocytes. <i>Toxicology in Vitro</i> , 2011, 25, 125-130.	2.4	12
22	The Effect of Anticoagulants on the Distribution of Chromium VI in Blood Fractions. <i>Journal of Arthroplasty</i> , 2010, 25, 118-120.	3.1	11
23	An evaluation of Minor Groove Binders as anti-lung cancer therapeutics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3478-3486.	2.2	11
24	The effect of ascorbic acid on the distribution of soluble Cr and Co ions in the blood and organs of rats. <i>Journal of Applied Toxicology</i> , 2013, 33, 220-226.	2.8	10
25	Cobalt-induced cardiomyopathy – do circulating cobalt levels matter?. <i>Bone and Joint Research</i> , 2021, 10, 340-347.	3.6	8
26	Pulsed electric field as a potential new method for microbial inactivation in scaffold materials for tissue engineering: The effect on collagen as a scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 844-851.	4.0	7
27	Changes in protein expression associated with chronic <i>in vitro</i> exposure of hexavalent chromium to osteoblasts and monocytes: A proteomic approach. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 615-625.	4.0	7
28	Cobalt Administration Causes Reduced Contractility with Parallel Increases in TRPC6 and TRPM7 Transporter Protein Expression in Adult Rat Hearts. <i>Cardiovascular Toxicology</i> , 2019, 19, 276-286.	2.7	7
29	Inactivation of microorganisms within collagen gel biomatrices using pulsed electric field treatment. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 507-515.	3.6	5
30	Toxicity of spermine in BHK-21/C13 cells. <i>Biochemical Society Transactions</i> , 1989, 17, 223-224.	3.4	4
31	Pulsed electric field treatment as a potential method for microbial inactivation in scaffold materials for tissue engineering: the inactivation of bacteria in collagen gel. <i>Journal of Applied Microbiology</i> , 2008, 105, 963-969.	3.1	4
32	Antioxidants prevent nickel chloride inhibition of cytochrome P450 dependent mixed function oxidation in guinea pig lung microsomes. <i>Biochemical Society Transactions</i> , 1993, 21, 68S-68S.	3.4	3
33	Metabolism of two new benzodiazepine-type anti-leishmanial agents in rat hepatocytes and hepatic microsomes and their interaction with glutathione in macrophages. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 399-406.	2.4	3
34	Biocompatibility evaluation in vitro. Part II: Functional expression of human and animal osteoblasts on the biomaterials. <i>Central South University</i> , 2001, 8, 75-82.	0.5	1
35	Release of soluble metal ions from copper based dental alloys measured by ICPMS. <i>Toxicology</i> , 2011, 290, 119.	4.2	1
36	Growth and viability of Hep G2 cells in medium containing high serum concentrations. <i>Biochemical Society Transactions</i> , 1993, 21, 69S-69S.	3.4	0

#	ARTICLE	IF	CITATIONS
37	9â€¦COCL ₂ induced cardiotoxicity associated with cochr alloy orthopaedic implants- an <i>in vivo</i> and an <i>in vitro</i> study. , 2017, , .		0