

# M Helen Grant

## List of Publications by Year in descending order

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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	Cobalt-induced cardiomyopathy – do circulating cobalt levels matter?. Bone and Joint Research, 2021, 10, 340-347.	3.6	8
2	Cobalt Administration Causes Reduced Contractility with Parallel Increases in TRPC6 and TRPM7 Transporter Protein Expression in Adult Rat Hearts. Cardiovascular Toxicology, 2019, 19, 276-286.	2.7	7
3	9â€¦COCL<sub>2</sub>induced cardiotoxicity associated with cocr alloy orthopaedic implants- an<i>in vivo</i> and an<i>in vitro</i> study. , 2017, , .		0
4	Human Hepatic Hepa<sc>RG</sc> Cells Maintain an Organotypic Phenotype with High Intrinsic <sc>CYP</sc>450 Activity/Metabolism and Significantly Outperform Standard HepG2/C3A Cells for Pharmaceutical and Therapeutic Applications. Basic and Clinical Pharmacology and Toxicology, 2017, 120, 30-37.	2.5	49
5	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. Microbiology (United Kingdom), 2016, 162, 1680-1688.	1.8	53
6	Bioinspired Silica Offers a Novel, Green, and Biocompatible Alternative to Traditional Drug Delivery Systems. ACS Biomaterials Science and Engineering, 2016, 2, 1493-1503.	5.2	22
7	An evaluation of Minor Groove Binders as anti-lung cancer therapeutics. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3478-3486.	2.2	11
8	Cytotoxic responses to 405nm light exposure in mammalian and bacterial cells: Involvement of reactive oxygen species. Toxicology in Vitro, 2016, 33, 54-62.	2.4	97
9	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. Lubricants, 2015, 3, 539-568.	2.9	28
10	Effects of CoCr metal wear debris generated from metal-on-metal hip implants and Co ions on human monocyte-like U937 cells. Toxicology in Vitro, 2015, 29, 271-280.	2.4	40
11	Differential sensitivity of osteoblasts and bacterial pathogens to 405-nm light highlighting potential for decontamination applications in orthopedic surgery. Journal of Biomedical Optics, 2014, 19, 105001.	2.6	26
12	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. Toxicology and Applied Pharmacology, 2014, 281, 125-135.	2.8	30
13	Bioinspired silica as drug delivery systems and their biocompatibility. Journal of Materials Chemistry B, 2014, 2, 5028-5042.	5.8	26
14	The effect of ascorbic acid on the distribution of soluble Cr and Co ions in the blood and organs of rats. Journal of Applied Toxicology, 2013, 33, 220-226.	2.8	10
15	Acute inflammatory response to cobalt chromium orthopaedic wear debris in a rodent air-pouch model. Journal of the Royal Society Interface, 2012, 9, 2109-2119.	3.4	32
16	Distribution of metal released from cobaltâ€“chromium alloy orthopaedic wear particles implanted into air pouches in mice. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1529-1538.	4.0	26
17	Inactivation of microorganisms within collagen gel biomatrices using pulsed electric field treatment. Journal of Materials Science: Materials in Medicine, 2012, 23, 507-515.	3.6	5
18	Effect of chromium and cobalt ions on primary human lymphocytes<i>in vitro</i>. Journal of Immunotoxicology, 2011, 8, 140-149.	1.7	84

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19	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
20	Release of soluble metal ions from copper based dental alloys measured by ICPMS. <i>Toxicology</i> , 2011, 290, 119.	4.2	1
21	Effect of 405-nm high-intensity narrow-spectrum light on fibroblast-populated collagen lattices: an in vitro model of wound healing. <i>Journal of Biomedical Optics</i> , 2011, 16, 048003.	2.6	38
22	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
23	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
24	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
25	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
26	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
27	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
28	Response to chronic exposure to hexavalent chromium in human monocytes. <i>Toxicology in Vitro</i> , 2009, 23, 647-652.	2.4	14
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Toxicity of spermine in BHK-21/C13 cells. Biochemical Society Transactions, 1989, 17, 223-224.	3.4	4