

Orla L Howe

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,834
citations

236925

25
h-index

265206

42
g-index

50
all docs

50
docs citations

50
times ranked

2894
citing authors

#	ARTICLE	IF	CITATIONS
1	Aprataxin, a novel protein that protects against genotoxic stress. <i>Human Molecular Genetics</i> , 2004, 13, 1081-1093.	2.9	148
2	Copper(II) Complexes of Salicylic Acid Combining Superoxide Dismutase Mimetic Properties with DNA Binding and Cleaving Capabilities Display Promising Chemotherapeutic Potential with Fast Acting in Vitro Cytotoxicity against Cisplatin Sensitive and Resistant Cancer Cell Lines. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1957-1968.	6.4	146
3	Evaluation of the potential of Raman microspectroscopy for prediction of chemotherapeutic response to cisplatin in lung adenocarcinoma. <i>Analyst, The</i> , 2010, 135, 3070.	3.5	117
4	The Antibacterial Activity of Metal Complexes Containing 1,10-phenanthroline: Potential as Alternative Therapeutics in the Era of Antibiotic Resistance. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 1280-1302.	2.1	101
5	Bis-phenanthroline copper(ii) phthalate complexes are potent in vitro antitumour agents with self-activating metallo-nuclease and DNA binding properties. <i>Dalton Transactions</i> , 2011, 40, 1024-1027.	3.3	98
6	Non-thermal atmospheric plasma induces ROS-independent cell death in U373MG glioma cells and augments the cytotoxicity of temozolomide. <i>British Journal of Cancer</i> , 2016, 114, 435-443.	6.4	74
7	Water-soluble bis(1,10-phenanthroline) octanedioate Cu ²⁺ and Mn ²⁺ complexes with unprecedented nano and picomolar in vitro cytotoxicity: promising leads for chemotherapeutic drug development. <i>MedChemComm</i> , 2011, 2, 579.	3.4	73
8	Radical-induced DNA damage by cytotoxic square-planar copper(II) complexes incorporating o-phthalate and 1,10-phenanthroline or 2,2'-dipyridyl. <i>Free Radical Biology and Medicine</i> , 2012, 53, 564-576.	2.9	64
9	Silver nanoparticles induce pro-inflammatory gene expression and inflammasome activation in human monocytes. <i>Journal of Applied Toxicology</i> , 2016, 36, 1311-1320.	2.8	62
10	Reactive oxygen species-induced release of signalling factors in irradiated cells triggers membrane signalling and calcium influx in bystander cells. <i>International Journal of Radiation Biology</i> , 2011, 87, 683-695.	1.8	60
11	Regulating Bioactivity of Cu ²⁺ Bis-1,10-phenanthroline Artificial Metallonucleases with Sterically Functionalized Pendant Carboxylates. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8599-8615.	6.4	55
12	Quantitative reagent-free detection of fibrinogen levels in human blood plasma using Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1807.	3.5	53
13	Apoptosis is signalled early by low doses of ionising radiation in a radiation-induced bystander effect. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013, 741-742, 35-43.	1.0	52
14	Water-soluble and photo-stable silver(I) dicarboxylate complexes containing 1,10-phenanthroline ligands: Antimicrobial and anticancer chemotherapeutic potential, DNA interactions and antioxidant activity. <i>Journal of Inorganic Biochemistry</i> , 2016, 159, 120-132.	3.5	52
15	Targeting the Folate Receptor: Improving Efficacy in Inorganic Medicinal Chemistry. <i>Current Medicinal Chemistry</i> , 2018, 25, 2675-2708.	2.4	44
16	Disarming <i>Pseudomonas aeruginosa</i> Virulence by the Inhibitory Action of 1,10-Phenanthroline-5,6-Dione-Based Compounds: Elastase B (LasB) as a Chemotherapeutic Target. <i>Frontiers in Microbiology</i> , 2019, 10, 1701.	3.5	41
17	Competitive evaluation of data mining algorithms for use in classification of leukocyte subtypes with Raman microspectroscopy. <i>Analyst, The</i> , 2015, 140, 2473-2481.	3.5	40
18	Vibrational spectroscopy in sensing radiobiological effects: analyses of targeted and non-targeted effects in human keratinocytes. <i>Faraday Discussions</i> , 2016, 187, 213-234.	3.2	40

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19	[Cu(<i>o</i> -phthalate)(phenanthroline)] Exhibits Unique Superoxide-Mediated NCI-60 Chemotherapeutic Action through Genomic DNA Damage and Mitochondrial Dysfunction. ACS Chemical Biology, 2016, 11, 159-171.	3.4	40
20	Radiation and chemotherapy bystander effects induce early genomic instability events: Telomere shortening and bridge formation coupled with mitochondrial dysfunction. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 669, 131-138.	1.0	39
21	Cold Atmospheric Plasma induces accumulation of lysosomes and caspase-independent cell death in U373MG glioblastoma multiforme cells. Scientific Reports, 2019, 9, 12891.	3.3	36
22	Analyses of Ionizing Radiation Effects In Vitro in Peripheral Blood Lymphocytes with Raman Spectroscopy. Radiation Research, 2015, 183, 407-416.	1.5	31
23	Elevated G2 chromosomal radiosensitivity in Irish breast cancer patients: a comparison with other studies. International Journal of Radiation Biology, 2005, 81, 373-378.	1.8	30
24	Doxorubicin kinetics and effects on lung cancer cell lines using <i>in vitro</i> Raman micro-spectroscopy: binding signatures, drug resistance and DNA repair. Journal of Biophotonics, 2018, 11, e201700060.	2.3	29
25	In vivo Activity of Copper(II), Manganese(II), and Silver(I) 1,10-Phenanthroline Chelates Against <i>Candida haemulonii</i> Using the <i>Galleria mellonella</i> Model. Frontiers in Microbiology, 2020, 11, 470.	3.5	29
26	Copper(II) complexes of coumarin-derived Schiff base ligands: Pro- or antioxidant activity in MCF-7 cells?. Journal of Inorganic Biochemistry, 2019, 197, 110702.	3.5	25
27	Cu(phenanthroline-phenazine) complexes dysregulate mitochondrial function and stimulate apoptosis. Metallomics, 2020, 12, 65-78.	2.4	24
28	Cell Death Mechanisms Associated with G2 Radiosensitivity in Patients with Prostate Cancer and Benign Prostatic Hyperplasia. Radiation Research, 2005, 164, 627-634.	1.5	17
29	Do Radiation-Induced Bystander Effects Correlate to the Intrinsic Radiosensitivity of Individuals and Have Clinical Significance?. Radiation Research, 2009, 171, 521-529.	1.5	17
30	The Antibacterial Drug Candidate SBC3 is a Potent Inhibitor of Bacterial Thioredoxin Reductase. ChemBioChem, 2021, 22, 1093-1098.	2.6	16
31	Ursolic Acid Inhibits Collective Cell Migration and Promotes JNK-Dependent Lysosomal Associated Cell Death in Glioblastoma Multiforme Cells. Pharmaceuticals, 2021, 14, 91.	3.8	15
32	A novel form of ataxia oculomotor apraxia characterized by oxidative stress and apoptosis resistance. Cell Death and Differentiation, 2007, 14, 1149-1161.	11.2	14
33	Prediction of DNA damage and G2 chromosomal radio-sensitivity <i>ex vivo</i> in peripheral blood mononuclear cells with label-free Raman micro-spectroscopy. International Journal of Radiation Biology, 2019, 95, 44-53.	1.8	14
34	Pt(IV) pro-drugs with an axial HDAC inhibitor demonstrate multimodal mechanisms involving DNA damage and apoptosis independent of cisplatin resistance in A2780/A2780cis cells. Journal of Inorganic Biochemistry, 2020, 210, 111125.	3.5	13
35	In vitro evaluation of the cytotoxicity of a folate-modified β -cyclodextrin as a new anti-cancer drug delivery system. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 81, 85-94.	1.6	10
36	Tetrameric and polymeric silver complexes of the omeprazole scaffold; synthesis, structure, <i>in vitro</i> and <i>in vivo</i> antimicrobial activities and DNA interaction. Journal of Inorganic Biochemistry, 2018, 186, 317-328.	3.5	10

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37	The Antibacterial and Anti-Biofilm Activity of Metal Complexes Incorporating 3,6,9-Trioxaundecanedioate and 1,10-Phenanthroline Ligands in Clinical Isolates of <i>Pseudomonas aeruginosa</i> from Irish Cystic Fibrosis Patients. <i>Antibiotics</i> , 2020, 9, 674.	3.7	10
38	In-vivo evaluation of the response of <i>Galleria mellonella</i> larvae to novel copper(II) phenanthroline-phenazine complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 135-146.	3.5	9
39	Cytotoxicity and ROS production of novel Pt(IV) oxaliplatin derivatives with indole propionic acid. <i>Inorganica Chimica Acta</i> , 2019, 492, 262-267.	2.4	9
40	Raman spectroscopy of lymphocytes for the identification of prostate cancer patients with late radiation toxicity following radiotherapy. <i>Translational Biophotonics</i> , 2020, 2, e201900035.	2.7	9
41	DNA Damage and Cytokine Production in Non-Target Irradiated Lymphocytes. <i>Radiation Research</i> , 2019, 191, 545.	1.5	5
42	MicroRNA Analysis of ATM-Deficient Cells Indicate PTEN and CCDN1 as Potential Biomarkers of Radiation Response. <i>Radiation Research</i> , 2020, 193, 520.	1.5	5
43	Identification of Key Proteins in Human Epithelial Cells Responding to Bystander Signals From Irradiated Trout Skin. <i>Dose-Response</i> , 2015, 13, 155932581559766.	1.6	4
44	A 4-Gene Signature of CDKN1, FDXR, SESN1 and PCNA Radiation Biomarkers for Prediction of Patient Radiosensitivity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10607.	4.1	4
45	In Vivo Activity of Metal Complexes Containing 1,10-Phenanthroline and 3,6,9-Trioxaundecanedioate Ligands against <i>Pseudomonas aeruginosa</i> Infection in <i>Galleria mellonella</i> Larvae. <i>Biomedicines</i> , 2022, 10, 222.	3.2	3
46	DNA cleavage reactions of the dinuclear chemotherapeutic agent copper(II) bis-1,10-phenanthroline terephthalate. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2012, 50, 79-81.	0.6	2
47	Raman Spectroscopy As A Potential Rapid Screening Tool For Venous Thromboembolism. , 2010, , .		0
48	Women's contributions to radiobiology in Ireland; from small beginnings... <i>International Journal of Radiation Biology</i> , 2022, 98, 331-340.	1.8	0