

Debbie C. Crans

List of Publications by Year in descending order

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312
papers

14,265
citations

16451

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docs citations

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times ranked

9933
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#	ARTICLE	IF	CITATIONS
1	Vanadium compounds promote biocatalysis in cells through actions on cell membranes. <i>Catalysis Today</i> , 2022, 388-389, 216-223.	4.4	3
2	Convergent Protein Phosphatase Inhibitor Design for PTP1B and TCPTP: Exchangeable Vanadium Coordination Complexes on Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2022, 32, 2108645.	14.9	12
3	Polyoxido vanadates' interactions with proteins: An overview. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214344.	18.8	78
4	Solution- and gas-phase behavior of decavanadate: implications for mass spectrometric analysis of redox-active polyoxido metalates. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1556-1564.	6.0	5
5	Biological Effects of Monoenergetic Carbon Ions and Their Associated Secondary Particles. <i>Frontiers in Oncology</i> , 2022, 12, 788293.	2.8	4
6	Electron Transport Lipids Fold Within Membrane-Like Interfaces. <i>Frontiers in Chemistry</i> , 2022, 10, 827530.	3.6	2
7	Metallomics and other omics approaches in antiparasitic metal-based drug research. <i>Current Opinion in Chemical Biology</i> , 2022, 67, 102127.	6.1	11
8	Advantageous Reactivity of Unstable Metal Complexes: Potential Applications of Metal-Based Anticancer Drugs for Intratumoral Injections. <i>Pharmaceutics</i> , 2022, 14, 790.	4.5	15
9	Exploring Growth of <i>Mycobacterium smegmatis</i> Treated with Anticarcinogenic Vanadium Compounds. <i>Inorganics</i> , 2022, 10, 50.	2.7	9
10	Structural Analysis of SMYD3 Lysine Methyltransferase for the Development of Competitive and Specific Enzyme Inhibitors. <i>Diseases (Basel, Switzerland)</i> , 2022, 10, 4.	2.5	4
11	Highlighting the roles of transition metals and speciation in chemical biology. <i>Current Opinion in Chemical Biology</i> , 2022, 69, 102155.	6.1	17
12	Vanadium(IV)-diamine complex with hypoglycemic activity and a reduction in testicular atrophy. <i>Journal of Inorganic Biochemistry</i> , 2021, 216, 111312.	3.5	13
13	Exploiting DNA repair pathways for tumor sensitization, mitigation of resistance, and normal tissue protection in radiotherapy. , 2021, 4, 244-263.		14
14	Pt(IV)- or Mo(VI)-substituted decavanadates inhibit the growth of <i>Mycobacterium smegmatis</i> . <i>Journal of Inorganic Biochemistry</i> , 2021, 217, 111356.	3.5	14
15	Acute Toxicity Evaluation of Non-Innocent Oxidovanadium(V) Schiff Base Complex. <i>Inorganics</i> , 2021, 9, 42.	2.7	20
16	Measurement of Interpeptidic Cu ^{II} Exchange Rate Constants of Cu ^{II} -Amyloid- β^2 Complexes to Small Peptide Motifs by Tryptophan Fluorescence Quenching. <i>Inorganic Chemistry</i> , 2021, 60, 7650-7659.	4.0	5
17	High LET-Like Radiation Tracks at the Distal Side of Accelerated Proton Bragg Peak. <i>Frontiers in Oncology</i> , 2021, 11, 690042.	2.8	10
18	Interactions of Truncated Menaquinones in Lipid Monolayers and Bilayers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9755.	4.1	3

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19	Polyoxovanadates with emerging biomedical activities. <i>Coordination Chemistry Reviews</i> , 2021, 447, 214143.	18.8	115
20	Cytotoxicity and genotoxicity of blue LED light and protective effects of AA2G in mammalian cells and associated DNA repair deficient cell lines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 872, 503416.	1.7	4
21	The Interfacial Interactions of Glycine and Short Glycine Peptides in Model Membrane Systems. <i>International Journal of Molecular Sciences</i> , 2021, 22, 162.	4.1	4
22	Application of HPLC to measure vanadium in environmental, biological and clinical matrices. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1198-1228.	4.9	17
23	Effects of vanadium(IV) compounds on plasma membrane lipids lead to G protein-coupled receptor signal transduction. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110873.	3.5	14
24	Coordination Chemistry of a Controlled Burst of Zn ²⁺ in Bulk Aqueous and Nanosized Water Droplets with a Zincon Chelator. <i>Inorganic Chemistry</i> , 2020, 59, 184-188.	4.0	2
25	Synthesis of Naphthoquinone Derivatives: Menaquinones, Lipoquinones and Other Vitamin K Derivatives. <i>Molecules</i> , 2020, 25, 4477.	3.8	14
26	Evaluating the Genotoxic and Cytotoxic Effects of Thymidine Analogs, 5-Ethynyl-2-Deoxyuridine and 5-Bromo-2-Deoxyuridine to Mammalian Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6631.	4.1	12
27	The Acid-Base Equilibrium of Pyrazinoic Acid Drives the pH Dependence of Pyrazinamide-Induced <i>Mycobacterium tuberculosis</i> Growth Inhibition. <i>ACS Infectious Diseases</i> , 2020, 6, 3004-3014.	3.8	7
28	A Short-Lived but Highly Cytotoxic Vanadium(V) Complex as a Potential Drug Lead for Brain Cancer Treatment by Intratumoral Injections. <i>Angewandte Chemie</i> , 2020, 132, 15968-15972.	2.0	8
29	<i>Mycobacterium tuberculosis</i> Survival in J774A.1 Cells Is Dependent on MenJ Moonlighting Activity, Not Its Enzymatic Activity. <i>ACS Infectious Diseases</i> , 2020, 6, 2661-2671.	3.8	6
30	Open questions on the biological roles of first-row transition metals. <i>Communications Chemistry</i> , 2020, 3, .	4.5	52
31	Glycoprotein G-protein Coupled Receptors in Disease: Luteinizing Hormone Receptors and Follicle Stimulating Hormone Receptors. <i>Diseases (Basel, Switzerland)</i> , 2020, 8, 35.	2.5	17
32	In Silico/In Vitro Hit-to-Lead Methodology Yields SMYD3 Inhibitor That Eliminates Unrestrained Proliferation of Breast Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9549.	4.1	6
33	Frontispiz: A Short-Lived but Highly Cytotoxic Vanadium(V) Complex as a Potential Drug Lead for Brain Cancer Treatment by Intratumoral Injections. <i>Angewandte Chemie</i> , 2020, 132, .	2.0	0
34	Frontispiece: A Short-Lived but Highly Cytotoxic Vanadium(V) Complex as a Potential Drug Lead for Brain Cancer Treatment by Intratumoral Injections. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	18.8	0
35	Characterizing the Role of SMYD2 in Mammalian Embryogenesis—Future Directions. <i>Veterinary Sciences</i> , 2020, 7, 63.	1.7	5
36	Location of menaquinone and menaquinol headgroups in model membranes. <i>Canadian Journal of Chemistry</i> , 2020, 98, 307-317.	1.1	3

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37	Initiation of a novel mode of membrane signaling: Vanadium facilitated signal transduction. <i>Coordination Chemistry Reviews</i> , 2020, 416, 213286.	18.8	27
38	A Short-Lived but Highly Cytotoxic Vanadium(V) Complex as a Potential Drug Lead for Brain Cancer Treatment by Intratumoral Injections. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15834-15838.	13.8	46
39	Cytotoxicity and Mutagenicity of Narrowband UVB to Mammalian Cells. <i>Genes</i> , 2020, 11, 646.	2.4	9
40	ESI-MS Study of the Interaction of Potential Oxidovanadium(IV) Drugs and Amavadin with Model Proteins. <i>Inorganic Chemistry</i> , 2020, 59, 9739-9755.	4.0	28
41	Ascorbic Acid 2-Glucoside Pretreatment Protects Cells from Ionizing Radiation, UVC, and Short Wavelength of UVB. <i>Genes</i> , 2020, 11, 238.	2.4	9
42	Electron Scattering in Conventional Cell Flask Experiments and Dose Distribution Dependency. <i>Scientific Reports</i> , 2020, 10, 482.	3.3	1
43	Polyoxometalates function as indirect activators of a G protein-coupled receptor. <i>Metallomics</i> , 2020, 12, 1044-1061.	2.4	22
44	Exploring Wells-Dawson Clusters Associated With the Small Ribosomal Subunit. <i>Frontiers in Chemistry</i> , 2019, 7, 462.	3.6	6
45	Reciprocal Translocation Analysis with Whole Chromosome Painting for FISH. <i>Methods in Molecular Biology</i> , 2019, 1984, 117-122.	0.9	1
46	Micronuclei Formation Analysis After Ionizing Radiation. <i>Methods in Molecular Biology</i> , 2019, 1984, 23-29.	0.9	0
47	Sister Chromatid Exchange as a Genotoxic Stress Marker. <i>Methods in Molecular Biology</i> , 2019, 1984, 61-68.	0.9	4
48	PNA Telomere and Centromere FISH Staining for Accurate Analysis of Radiation-Induced Chromosomal Aberrations. <i>Methods in Molecular Biology</i> , 2019, 1984, 95-100.	0.9	2
49	Human Lymphocyte Metaphase Chromosome Preparation for Radiation-Induced Chromosome Aberration Analysis. <i>Methods in Molecular Biology</i> , 2019, 1984, 1-6.	0.9	5
50	In Situ DNA Damaging Foci Analysis on Metaphase Chromosomes. <i>Methods in Molecular Biology</i> , 2019, 1984, 87-93.	0.9	1
51	G2 Chromosomal Radiosensitivity Assay for Testing Individual Radiation Sensitivity. <i>Methods in Molecular Biology</i> , 2019, 1984, 39-45.	0.9	2
52	Editorial: Polyoxometalates in Catalysis, Biology, Energy and Materials Science. <i>Frontiers in Chemistry</i> , 2019, 7, 646.	3.6	20
53	The First-Row Transition Metals in the Periodic Table of Medicine. <i>Inorganics</i> , 2019, 7, 111.	2.7	31
54	DIFFERENCE IN DEGREE OF SUB-LETHAL DAMAGE RECOVERY BETWEEN CLINICAL PROTON BEAMS AND X-RAYS. <i>Radiation Protection Dosimetry</i> , 2019, 183, 93-97.	0.8	4

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55	Enhancement of oncolytic virotherapy by vanadium(V) dipicolinates. <i>BioMetals</i> , 2019, 32, 545-561.	4.1	19
56	Speciation and toxicity of rhenium salts, organometallics and coordination complexes. <i>Coordination Chemistry Reviews</i> , 2019, 394, 135-161.	18.8	32
57	Organometallic and coordination rhenium compounds and their potential in cancer therapy. <i>Coordination Chemistry Reviews</i> , 2019, 393, 79-117.	18.8	135
58	Oxidative stress and endoreduplication induced by blue light exposure to CHO cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 841, 31-35.	1.7	13
59	Monoenergetic 290 MeV/n carbon-ion beam biological lethal dose distribution surrounding the Bragg peak. <i>Scientific Reports</i> , 2019, 9, 6157.	3.3	11
60	Hydrophobicity may enhance membrane affinity and anti-cancer effects of Schiff base vanadium catecholate complexes. <i>Dalton Transactions</i> , 2019, 48, 6383-6395.	3.3	51
61	The Effect of Green and Black Tea Polyphenols on BRCA2 Deficient Chinese Hamster Cells by Synthetic Lethality through PARP Inhibition. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1274.	4.1	4
62	A Transition-State Perspective on Y-Family DNA Polymerase ϵ Fidelity in Comparison with X-Family DNA Polymerases δ and ζ . <i>Biochemistry</i> , 2019, 58, 1764-1773.	2.5	10
63	Radiobiological Characterization of Canine Malignant Melanoma Cell Lines with Different Types of Ionizing Radiation and Efficacy Evaluation with Cytotoxic Agents. <i>International Journal of Molecular Sciences</i> , 2019, 20, 841.	4.1	9
64	Investigating Substrate Analogues for Mycobacterial MenJ: Truncated and Partially Saturated Menaquinones. <i>Biochemistry</i> , 2019, 58, 1596-1615.	2.5	9
65	8. DEVELOPING VANADIUM AS AN ANTIDIABETIC OR ANTICANCER DRUG: A CLINICAL AND HISTORICAL PERSPECTIVE. , 2019, 19, 203-230.		24
66	Vanadium science: chemistry, catalysis, materials, biological and medicinal studies. <i>New Journal of Chemistry</i> , 2019, 43, 17535-17537.	2.8	9
67	14. CHEMICAL AND CLINICAL ASPECTS OF METAL-CONTAINING ANTIDOTES FOR POISONING BY CYANIDE. , 2019, 19, 359-392.		29
68	Vanadium Compounds as Enzyme Inhibitors with a Focus on Anticancer Effects. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2019, , 169-195.	0.8	2
69	Probing of ferrocenylanilines on model micelle/reverse micelle membrane and their enhanced reactivity for reactive oxidants. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4334.	3.5	4
70	Measurement of Interpeptidic Cu(II) Exchange Rate Constants by Static Fluorescence Quenching of Tryptophan. <i>Inorganic Chemistry</i> , 2018, 57, 4791-4794.	4.0	14
71	15. IRON AND ITS ROLE IN CANCER DEFENSE: A DOUBLE-EDGED SWORD. , 2018, 18, 437-468.		31
72	Ru(II) Compounds: Next-Generation Anticancer Metallotherapeutics?. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5805-5821.	6.4	343

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73	Design and evaluation of a novel flavonoid-based radioprotective agent utilizing monoglucosyl rutin. <i>Journal of Radiation Research</i> , 2018, 59, 272-281.	1.6	11
74	9. HEALTH BENEFITS OF VANADIUM AND ITS POTENTIAL AS AN ANTICANCER AGENT. , 2018, 18, 251-280.		34
75	Multi-modal Potentiation of Oncolytic Virotherapy by Vanadium Compounds. <i>Molecular Therapy</i> , 2018, 26, 56-69.	8.2	77
76	A Synthetic Isoprenoid Lipoquinone, Menaquinone-2, Adopts a Folded Conformation in Solution and at a Model Membrane Interface. <i>Journal of Organic Chemistry</i> , 2018, 83, 275-288.	3.2	18
77	Effect of hydroxyl group position in flavonoids on inducing single-stranded DNA damage mediated by cupric ions. <i>International Journal of Molecular Medicine</i> , 2018, 42, 658-664.	4.0	5
78	Synthesis and Characterization of Partially and Fully Saturated Menaquinone Derivatives. <i>ACS Omega</i> , 2018, 3, 14889-14901.	3.5	13
79	Decavanadate Inhibits Mycobacterial Growth More Potently Than Other Oxovanadates. <i>Frontiers in Chemistry</i> , 2018, 6, 519.	3.6	46
80	Palmitoyl ascorbic acid 2-glucoside has the potential to protect mammalian cells from high-LET carbon-ion radiation. <i>Scientific Reports</i> , 2018, 8, 13822.	3.3	10
81	Persistence of Gamma-H2AX Foci in Bronchial Cells Correlates with Susceptibility to Radiation Associated Lung Cancer in Mice. <i>Radiation Research</i> , 2018, 191, 67.	1.5	14
82	Structure Dependence of Pyridine and Benzene Derivatives on Interactions with Model Membranes. <i>Langmuir</i> , 2018, 34, 8939-8951.	3.5	4
83	Coordination environment changes of the vanadium in vanadium-dependent haloperoxidase enzymes. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 267-279.	3.5	42
84	Ferrocene-based anilides: synthesis, structural characterization and inhibition of butyrylcholinesterase. <i>Dalton Transactions</i> , 2018, 47, 11769-11781.	3.3	8
85	DNA Repair Deficient Chinese Hamster Ovary Cells Exhibiting Differential Sensitivity to Charged Particle Radiation under Aerobic and Hypoxic Conditions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2228.	4.1	16
86	Histone Deacetylase Inhibitor Induced Radiation Sensitization Effects on Human Cancer Cells after Photon and Hadron Radiation Exposure. <i>International Journal of Molecular Sciences</i> , 2018, 19, 496.	4.1	26
87	Confinement Effects on Chemical Equilibria: Pentacyano(Pyrazine)Ferrate(II) Stability Changes within Nanosized Droplets of Water. <i>Molecules</i> , 2018, 23, 858.	3.8	2
88	Mycobacterial MenJ: An Oxidoreductase Involved in Menaquinone Biosynthesis. <i>ACS Chemical Biology</i> , 2018, 13, 2498-2507.	3.4	31
89	Novel function of HATs and HDACs in homologous recombination through acetylation of human RAD52 at double-strand break sites. <i>PLoS Genetics</i> , 2018, 14, e1007277.	3.5	25
90	Coordination of the Ser2056 and Thr2609 Clusters of DNA-PKcs in Regulating Gamma Rays and Extremely Low Fluencies of Alpha-Particle Irradiation to G0/G1 Phase Cells. <i>Radiation Research</i> , 2017, 187, 259.	1.5	7

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91	Selenium speciation in the Fountain Creek Watershed and its effects on fish diversity. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 751-763.	2.6	4
92	Does anion-cation organization in Na ⁺ -containing X-ray crystal structures relate to solution interactions in inhomogeneous nanoscale environments: Sodium-decavanadate in solid state materials, minerals, and microemulsions. <i>Coordination Chemistry Reviews</i> , 2017, 344, 115-130.	18.8	28
93	Speciation of metal drugs, supplements and toxins in media and bodily fluids controls in vitro activities. <i>Coordination Chemistry Reviews</i> , 2017, 352, 473-498.	18.8	181
94	Hypersensitivity of BRCA2 deficient cells to rosemary extract explained by weak PARP inhibitory activity. <i>Scientific Reports</i> , 2017, 7, 16704.	3.3	5
95	Investigation of the relative biological effectiveness and uniform isobiological killing effects of irradiation with a clinical carbon SOBPs beam on DNA repair deficient CHO cells. <i>Oncology Letters</i> , 2017, 13, 4911-4916.	1.8	6
96	PARP Inhibition by Flavonoids Induced Selective Cell Killing to BRCA2-Deficient Cells. <i>Pharmaceuticals</i> , 2017, 10, 80.	3.8	16
97	Selenium Speciation in the Fountain Creek Watershed (Colorado, USA) Correlates with Water Hardness, Ca and Mg Levels. <i>Molecules</i> , 2017, 22, 708.	3.8	10
98	How Interfaces Affect the Acidity of the Anilinium Ion. <i>Chemistry - A European Journal</i> , 2016, 22, 3873-3880.	3.3	6
99	Molecular dynamics simulation of telomeric single-stranded DNA and POT1. <i>Polymer Journal</i> , 2016, 48, 189-195.	2.7	5
100	Translational Science for Energy and Beyond. <i>Inorganic Chemistry</i> , 2016, 55, 9131-9143.	4.0	11
101	In vitro screening of radioprotective properties in the novel glucosylated flavonoids. <i>International Journal of Molecular Medicine</i> , 2016, 38, 1525-1530.	4.0	15
102	Selective speciation improves efficacy and lowers toxicity of platinum anticancer and vanadium antidiabetic drugs. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 56-70.	3.5	69
103	Relative biological effectiveness in canine osteosarcoma cells irradiated with accelerated charged particles. <i>Oncology Letters</i> , 2016, 12, 1597-1601.	1.8	8
104	Differences in Interactions of Benzoic Acid and Benzoate with Interfaces. <i>Langmuir</i> , 2016, 32, 9451-9459.	3.5	10
105	Novel glyceryl glucoside is a low toxic alternative for cryopreservation agent. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 359-364.	2.1	11
106	Synthesis, structural characterization, modal membrane interaction and anti-tumor cell line studies of nitrophenyl ferrocenes. <i>Journal of Molecular Structure</i> , 2016, 1113, 162-170.	3.6	22
107	Size and shape trump charge in interactions of oxovanadates with self-assembled interfaces: application of continuous shape measure analysis to the decavanadate anion. <i>New Journal of Chemistry</i> , 2016, 40, 962-975.	2.8	18
108	Multinuclear NMR studies of aqueous vanadium ⁵⁺ -HEDTA complexes. <i>Polyhedron</i> , 2016, 114, 325-332.	2.2	10

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109	Introduction for the Emergent Polyoxometalates and Soft-oxometalates thematic issue. <i>New Journal of Chemistry</i> , 2016, 40, 882-885.	2.8	11
110	Data for induction of cytotoxic response by natural and novel quercetin glycosides. <i>Data in Brief</i> , 2016, 6, 262-266.	1.0	9
111	Intrinsic Radiosensitivity and Cellular Characterization of 27 Canine Cancer Cell Lines. <i>PLoS ONE</i> , 2016, 11, e0156689.	2.5	23
112	Hyperthermia-induced radiosensitization in CHO wild-type, NHEJ repair mutant and HR repair mutant following proton and carbon-ion exposure. <i>Oncology Letters</i> , 2015, 10, 2828-2834.	1.8	12
113	Validation of ⁶⁴ Cu-ATSM damaging DNA via high-LET Auger electron emission. <i>Journal of Radiation Research</i> , 2015, 56, 784-791.	1.6	50
114	High-frequency and -field electron paramagnetic resonance of vanadium(IV, III, and II) complexes. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 123-133.	18.8	65
115	Vanadium- ³² P phosphatase complexes: Phosphatase inhibitors favor the trigonal bipyramidal transition state geometries. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 163-199.	18.8	115
116	NMR Crystallography for Structural Characterization of Oxovanadium(V) Complexes: Deriving Coordination Geometry and Detecting Weakly Coordinated Ligands at Atomic Resolution in the Solid State. <i>Inorganic Chemistry</i> , 2015, 54, 1363-1374.	4.0	15
117	Preface: Celebrating vanadium science with leading bioinorganic contributions from the 9th International Vanadium Symposium. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 1-3.	3.5	1
118	Effects of targeted phosphorylation site mutations in the DNA-PKcs phosphorylation domain on low and high LET radiation sensitivity. <i>Oncology Letters</i> , 2015, 9, 1621-1627.	1.8	9
119	Induction of cytotoxic and genotoxic responses by natural and novel quercetin glycosides. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 784-785, 15-22.	1.7	49
120	Evaluating transition state structures of vanadium- ³² P phosphatase protein complexes using shape analysis. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 153-164.	3.5	33
121	Caspase-3 Promotes Genetic Instability and Carcinogenesis. <i>Molecular Cell</i> , 2015, 58, 284-296.	9.7	202
122	Role of various DNA repair pathways in chromosomal inversion formation in CHO mutants. <i>International Journal of Radiation Biology</i> , 2015, 91, 925-933.	1.8	5
123	Antidiabetic, Chemical, and Physical Properties of Organic Vanadates as Presumed Transition-State Inhibitors for Phosphatases. <i>Journal of Organic Chemistry</i> , 2015, 80, 11899-11915.	3.2	122
124	Partial Saturation of Menaquinone in <i>Mycobacterium tuberculosis</i> : Function and Essentiality of a Novel Reductase, MenJ. <i>ACS Central Science</i> , 2015, 1, 292-302.	11.3	71
125	Solution Radioactivated by Hadron Radiation Can Increase Sister Chromatid Exchanges. <i>PLoS ONE</i> , 2015, 10, e0144619.	2.5	2
126	Differential Radiosensitivity Phenotypes of DNA-PKcs Mutations Affecting NHEJ and HRR Systems following Irradiation with Gamma-Rays or Very Low Fluences of Alpha Particles. <i>PLoS ONE</i> , 2014, 9, e93579.	2.5	13

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127	INTERACTION OF DECAVANADATE WITH INTERFACES AND BIOLOGICAL MODEL MEMBRANE SYSTEMS: CHARACTERIZATION OF SOFT OXOMETALATE SYSTEMS. <i>Journal of Molecular and Engineering Materials</i> , 2014, 02, 1440007.	1.8	21
128	Natural and glucosyl flavonoids inhibit poly(ADP-ribose) polymerase activity and induce synthetic lethality in BRCA mutant cells. <i>Oncology Reports</i> , 2014, 31, 551-556.	2.6	55
129	Modern Coordination Chemistry 100 Years after Werner. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4413-4416.	2.0	1
130	Electron-Transfer Rate Enhancements in Nanosized Waterpools. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4537-4540.	2.0	9
131	Guanylurea metformium double salt of decavanadate, (HGU ⁺) ₄ (HMet ⁺) ₂ (V ₁₀ O ₂₈)·2H ₂ O. <i>Inorganica Chimica Acta</i> , 2014, 420, 85-91.	2.4	22
132	Effects of vanadium (III, IV, V)-chlorodipicolinate on glycolysis and antioxidant status in the liver of STZ-induced diabetic rats. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 47-56.	3.5	55
133	Role of LET and chromatin structure on chromosomal inversion in CHO10B2 cells. <i>Genome Integrity</i> , 2014, 5, 1.	1.0	4
134	Correlation of Insulin-Enhancing Properties of Vanadium-Dipicolinate Complexes in Model Membrane Systems: Phospholipid Langmuir Monolayers and AOT Reverse Micelles. <i>Chemistry - A European Journal</i> , 2014, 20, 5149-5159.	3.3	31
135	Spectroscopic Characterization of L-ascorbic Acid-induced Reduction of Vanadium(V) Dipicolinates: Formation of Vanadium(III) and Vanadium(IV) Complexes from Vanadium(V) Dipicolinate Derivatives. <i>Inorganica Chimica Acta</i> , 2014, 420, 112-119.	2.4	19
136	Novel Insights into the Mechanism of Inhibition of MmpL3, a Target of Multiple Pharmacophores in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6413-6423.	3.2	174
137	Interaction of a Biguanide Compound with Membrane Model Interface Systems: Probing the Properties of Antimalaria and Antidiabetic Compounds. <i>Langmuir</i> , 2014, 30, 8697-8706.	3.5	23
138	Structural and redox requirements for the action of anti-diabetic vanadium compounds. <i>Dalton Transactions</i> , 2014, 43, 6965-6972.	3.3	78
139	Trigonal Bipyramidal or Square Pyramidal Coordination Geometry? Investigating the Most Potent Geometry for Vanadium Phosphatase Inhibitors. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4450-4468.	2.0	93
140	Monoglucosyl-rutin as a potential radioprotector in mammalian cells. <i>Molecular Medicine Reports</i> , 2014, 10, 10-14.	2.4	27
141	Vanadium in inorganic chemistry: excerpts from the 8th International Vanadium Symposium. <i>Dalton Transactions</i> , 2013, 42, 11744.	3.3	13
142	Effect of ancillary ligand on electronic structure as probed by 51V solid-state NMR spectroscopy for vanadium- <i>o</i> -dioxolene complexes. <i>CrystEngComm</i> , 2013, 15, 8776.	2.6	17
143	Preface for the Forum on Metals in Medicine and Health: New Opportunities and Approaches to Improving Health. <i>Inorganic Chemistry</i> , 2013, 52, 12181-12183.	4.0	10
144	Coordination chemistry may explain pharmacokinetics and clinical response of vanadyl sulfate in type 2 diabetic patients. <i>Metallomics</i> , 2013, 5, 1491.	2.4	55

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145	Raft localization of Type I Fc μ receptor and degranulation of RBL-2H3 cells exposed to decavanadate, a structural model for V ₂ O ₅ . Dalton Transactions, 2013, 42, 11912.	3.3	26
146	Stabilization of a vanadium(v) catechol complex by compartmentalization and reduced solvation inside reverse micelles. New Journal of Chemistry, 2013, 37, 75-81.	2.8	13
147	Cation exchange, solvent free synthesis and packing patterns of quinolinium nickel(II) dipicolinates. Inorganica Chimica Acta, 2013, 408, 204-208.	2.4	11
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