

James A Cowan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

4,335
citations

34
h-index

61
g-index

134
ext. papers

4,671
ext. citations

6.8
avg, IF

6.09
L-index

#	Paper	IF	Citations
124	Enhanced Synergism and Mechanism of Action Studies of Synthetic Antimicrobial Metallopeptides. <i>ChemMedChem</i> , 2021 , 16, 2112-2120	3.7	1
123	G-quadruplex targeting chemical nucleases as a nonperturbative tool for analysis of cellular G-quadruplex DNA. <i>IScience</i> , 2021 , 24, 102661	6.1	1
122	Cluster exchange reactivity of [2Fe-2S]-bridged heterodimeric BOLA1-GLRX5. <i>FEBS Journal</i> , 2021 , 288, 920-929	5.7	2
121	Evolution of the human mitochondrial ABCB7 [2Fe-2S](GS) cluster exporter and the molecular mechanism of an E433K disease-causing mutation. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 697, 108661	4.1	3
120	Characterization and Reconstitution of Human Lipoyl Synthase (LIAS) Supports ISCA2 and ISCU as Primary Cluster Donors and an Ordered Mechanism of Cluster Assembly. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
119	Human aspartyl (asparaginy) hydroxylase. A multifaceted enzyme with broad intra- and extra-cellular activity. <i>Metallomics</i> , 2021 , 13,	4.5	1
118	Spectroscopic and functional characterization of the [2Fe-2S] scaffold protein Nfu from <i>Synechocystis</i> PCC6803. <i>Biochimie</i> , 2021 , 192, 51-51	4.6	
117	Artificial Metalloenzymes: Recent Developments and Innovations in Bioinorganic Catalysis. <i>Small</i> , 2020 , 16, e2000392	11	13
116	Copper(ii) l/d-valine-(1,10-phen) complexes target human telomeric G-quadruplex motifs and promote site-specific DNA cleavage and cellular cytotoxicity. <i>Dalton Transactions</i> , 2020 , 49, 9888-9899	4.3	10
115	Characterization of [2Fe2S]-Cluster-Bridged Protein Complexes and Reaction Intermediates by use of Native Mass Spectrometric Methods. <i>Angewandte Chemie</i> , 2020 , 132, 6790-6794	3.6	
114	Characterization of [2Fe-2S]-Cluster-Bridged Protein Complexes and Reaction Intermediates by use of Native Mass Spectrometric Methods. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6724-6728	16.4	13
113	Enantiomeric copper based anticancer agents promoting sequence-selective cleavage of G-quadruplex telomeric DNA and non-random cleavage of plasmid DNA. <i>Metallomics</i> , 2020 , 12, 988-999	4.5	10
112	Design and applications of catalytic metallodrugs containing the ATCUN motif. <i>Advances in Inorganic Chemistry</i> , 2020 , 75, 361-391	2.1	0
111	Metalloglycosidase Mimics: Oxidative Cleavage of Saccharides Promoted by Multinuclear Copper Complexes under Physiological Conditions. <i>Inorganic Chemistry</i> , 2020 , 59, 11218-11222	5.1	4
110	Defining the mechanism of the mitochondrial Atm1p [2Fe-2S] cluster exporter. <i>Metallomics</i> , 2020 , 12, 902-915	4.5	10
109	Reconstitution, characterization, and [2Fe-2S] cluster exchange reactivity of a holo human BOLA3 homodimer. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 1035-1045	3.7	2
108	Unique roles of iron and zinc binding to the yeast Fe-S cluster scaffold assembly protein "Isu1". <i>Metallomics</i> , 2019 , 11, 1820-1835	4.5	9

107	Rapid Telomere Reduction in Cancer Cells Induced by G-Quadruplex-Targeting Copper Complexes. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 5040-5048	8.3	16
106	Cu-ATCUN Derivatives of Sub5 Exhibit Enhanced Antimicrobial Activity via Multiple Modes of Action. <i>ACS Chemical Biology</i> , 2019 , 14, 449-458	4.9	20
105	Understanding the Mechanism of [4Fe-4S] Cluster Assembly on Eukaryotic Mitochondrial and Cytosolic Aconitase. <i>Inorganic Chemistry</i> , 2019 , 58, 13686-13695	5.1	6
104	Antimicrobial Metallopeptides. <i>ACS Chemical Biology</i> , 2018 , 13, 844-853	4.9	33
103	Investigation of glutathione-derived electrostatic and hydrogen-bonding interactions and their role in defining Grx5 [2Fe-2S] cluster optical spectra and transfer chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2018 , 23, 241-252	3.7	5
102	Attenuation of West Nile Virus NS2B/NS3 Protease by Amino Terminal Copper and Nickel Binding (ATCUN) Peptides. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 980-988	8.3	14
101	Iron-sulfur cluster biosynthesis and trafficking - impact on human disease conditions. <i>Metallomics</i> , 2018 , 10, 9-29	4.5	39
100	Cluster exchange reactivity of [2Fe-2S] cluster-bridged complexes of BOLA3 with monothiol glutaredoxins. <i>Metallomics</i> , 2018 , 10, 1282-1290	4.5	17
99	Role of the HSPA9/HSC20 chaperone pair in promoting directional human iron-sulfur cluster exchange involving monothiol glutaredoxin 5. <i>Journal of Inorganic Biochemistry</i> , 2018 , 184, 100-107	4.2	9
98	Regulation of human Nfu activity in Fe-S cluster delivery-characterization of the interaction between Nfu and the HSPA9/Hsc20 chaperone complex. <i>FEBS Journal</i> , 2018 , 285, 391-410	5.7	6
97	Metal complexes promoting catalytic cleavage of nucleic acids-biochemical tools and therapeutics. <i>Current Opinion in Chemical Biology</i> , 2018 , 43, 37-42	9.7	48
96	Broad-spectrum catalytic metallopeptide inactivators of Zika and West Nile virus NS2B/NS3 proteases. <i>Chemical Communications</i> , 2018 , 54, 12357-12360	5.8	11
95	Understanding the Molecular Basis of Multiple Mitochondrial Dysfunctions Syndrome 1 (MMDS1)-Impact of a Disease-Causing Gly208Cys Substitution on Structure and Activity of NFU1 in the Fe/S Cluster Biosynthetic Pathway. <i>Journal of Molecular Biology</i> , 2017 , 429, 790-807	6.5	16
94	Design of Artificial Glycosidases: Metallopeptides that Remove H Antigen from Human Erythrocytes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2763-2766	16.4	18
93	Design of Artificial Glycosidases: Metallopeptides that Remove H Antigen from Human Erythrocytes. <i>Angewandte Chemie</i> , 2017 , 129, 2807-2810	3.6	7
92	Analysis of Structure-Activity Relationships Based on the Hepatitis C Virus SLIIb Internal Ribosomal Entry Sequence RNA-Targeting GGHYRFK?Cu Complex. <i>ChemBioChem</i> , 2017 , 18, 1743-1754	3.8	7
91	In Vitro Studies of Cellular Iron-Sulfur Cluster Biosynthesis, Trafficking, and Transport. <i>Methods in Enzymology</i> , 2017 , 595, 55-82	1.7	2
90	Role of protein-glutathione contacts in defining glutaredoxin-3 [2Fe-2S] cluster chirality, ligand exchange and transfer chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 1075-1087	3.7	14

89	Understanding the molecular basis for multiple mitochondrial dysfunctions syndrome 1 (MMDS1): impact of a disease-causing Gly189Arg substitution on NFU1. <i>FEBS Journal</i> , 2017 , 284, 3838-3848	5.7	6
88	Analysis of NFU-1 metallocofactor binding-site substitutions-impacts on iron-sulfur cluster coordination and protein structure and function. <i>FEBS Journal</i> , 2017 , 284, 3817-3837	5.7	5
87	Catalytic Metallodrugs: Substrate-Selective Metal Catalysts as Therapeutics. <i>Chemistry - A European Journal</i> , 2017 , 23, 14113-14127	4.8	39
86	Amino Terminal Copper and Nickel Binding Motif Derivatives of Ovispirin-3 Display Increased Antimicrobial Activity via Lipid Oxidation. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 10047-10055	8.3	19
85	Cytosolic iron-sulfur cluster transfer-a proposed kinetic pathway for reconstitution of glutaredoxin 3. <i>FEBS Letters</i> , 2016 , 590, 4531-4540	3.8	22
84	Duplications of an iron-sulphur tripeptide leads to the formation of a protoferredoxin. <i>Chemical Communications</i> , 2016 , 52, 13456-13459	5.8	24
83	Mapping cellular Fe-S cluster uptake and exchange reactions - divergent pathways for iron-sulfur cluster delivery to human ferredoxins. <i>Metallomics</i> , 2016 , 8, 1283-1293	4.5	23
82	Glutathione-complexed [2Fe-2S] clusters function in Fe-S cluster storage and trafficking. <i>Journal of Biological Inorganic Chemistry</i> , 2016 , 21, 887-901	3.7	20
81	Iron-sulfur cluster exchange reactions mediated by the human Nfu protein. <i>Journal of Biological Inorganic Chemistry</i> , 2016 , 21, 825-836	3.7	21
80	Glutathione-coordinated [2Fe-2S] cluster: a viable physiological substrate for mitochondrial ABCB7 transport. <i>Chemical Communications</i> , 2015 , 51, 2253-5	5.8	50
79	Glutathione-coordinated [2Fe-2S] cluster is stabilized by intramolecular salt bridges. <i>Journal of Biological Inorganic Chemistry</i> , 2015 , 20, 1221-7	3.7	4
78	Catalytic metallodrugs based on the LaR2C peptide target HCV SLIV IRES RNA. <i>Dalton Transactions</i> , 2015 , 44, 20972-82	4.3	18
77	Toward the Design of a Catalytic Metallodrug: Selective Cleavage of G-Quadruplex Telomeric DNA by an Anticancer Copper-Acridine-ATCUN Complex. <i>Angewandte Chemie</i> , 2015 , 127, 1921-1925	3.6	9
76	Toward the design of a catalytic metallodrug: selective cleavage of G-quadruplex telomeric DNA by an anticancer copper-acridine-ATCUN complex. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1901-5	16.4	60
75	A structural model for glutathione-complexed iron-sulfur cluster as a substrate for ABCB7-type transporters. <i>Chemical Communications</i> , 2014 , 50, 3795-8	5.8	33
74	Insight into the recognition, binding, and reactivity of catalytic metallodrugs targeting stem loop IIb of hepatitis C IRES RNA. <i>ChemMedChem</i> , 2014 , 9, 1275-85	3.7	27
73	Inactivation of sortase A mediated by metal ATCUN complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 1327-39	3.7	12
72	Antimicrobial metallopeptides with broad nuclease and ribonuclease activity. <i>Chemical Communications</i> , 2013 , 49, 2118-20	5.8	41

71	Human ferredoxin-2 displays a unique conformational change. <i>Dalton Transactions</i> , 2013 , 42, 3088-91	4.3	16
70	Kinetics and Mechanisms of Oxidative Cleavage of HIV RRE RNA by Rev-Coupled Transition Metal Chelates. <i>Chemical Science</i> , 2013 , 4, 1707-1718	9.4	18
69	N- versus C-domain selectivity of catalytic inactivation of human angiotensin converting enzyme by lisinopril-coupled transition metal chelates. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 9826-36	8.3	9
68	Glutathione-complexed iron-sulfur clusters. Reaction intermediates and evidence for a template effect promoting assembly and stability. <i>Chemical Communications</i> , 2013 , 49, 6313-5	5.8	26
67	Thermodynamic and structural analysis of human NFU conformational chemistry. <i>Biochemistry</i> , 2013 , 52, 4904-13	3.2	13
66	Analysis of RNA cleavage by MALDI-TOF mass spectrometry. <i>Nucleic Acids Research</i> , 2013 , 41, e2	20.1	22
65	Target-directed catalytic metallodrugs. <i>Brazilian Journal of Medical and Biological Research</i> , 2013 , 46, 465-85	2.8	22
64	Targeted catalytic inactivation of angiotensin converting enzyme by lisinopril-coupled transition-metal chelates. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3396-410	16.4	43
63	Catalytic metallodrugs targeting HCV IRES RNA. <i>Chemical Communications</i> , 2012 , 48, 3118-20	5.8	40
62	Glutathione complexed Fe-S centers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10745-8	16.4	81
61	DNA nuclease activity of Rev-coupled transition metal chelates. <i>Dalton Transactions</i> , 2012 , 41, 6567-78	4.3	21
60	Factors influencing the DNA nuclease activity of iron, cobalt, nickel, and copper chelates. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15613-26	16.4	97
59	Structural, Mechanistic and Coordination Chemistry of Relevance to the Biosynthesis of Iron-Sulfur and Related Iron Cofactors. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 688-699	23.2	30
58	Mechanism of glutaredoxin-ISU [2Fe-2S] cluster exchange. <i>Chemical Communications</i> , 2011 , 47, 4989-91	5.8	41
57	Targeted cleavage of HIV RRE RNA by Rev-coupled transition metal chelates. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9912-22	16.4	46
56	Redox chemistry of the <i>Schizosaccharomyces pombe</i> ferredoxin electron-transfer domain and influence of Cys to Ser substitutions. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 806-11	4.2	9
55	Kinetic and structural characterization of human mortalin. <i>Protein Expression and Purification</i> , 2010 , 72, 75-81	2	22
54	Control of reduction thermodynamics in [2Fe-2S] ferredoxins Entropy-enthalpy compensation and the influence of surface mutations. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 691-6	4.2	10

53	Iron Sulfur Cluster Biosynthesis. <i>ACS Symposium Series</i> , 2009 , 3-16	0.4	1
52	Metallotherapeutics: novel strategies in drug design. <i>Chemistry - A European Journal</i> , 2009 , 15, 8670-6	4.8	50
51	Iron-sulfur cluster biosynthesis: characterization of IscU-IscS complex formation and a structural model for sulfide delivery to the [2Fe-2S] assembly site. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 829-39	3.7	12
50	Copper.Lys-Gly-His-Lys mediated cleavage of tRNA(Phe): studies of reaction mechanism and cleavage specificity. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 871-5	4.2	11
49	Iron-sulfur cluster biosynthesis: characterization of a molten globule domain in human NFU. <i>Biochemistry</i> , 2009 , 48, 7512-8	3.2	16
48	DEVELOPMENT OF MULTI-TURNOVER METALLOPEPTIDES FOR EFFICIENT CLEAVAGE OF HIV-1 mRNA REV RESPONSE ELEMENT. <i>FASEB Journal</i> , 2009 , 23, LB302	0.9	
47	Characterization of human mortalin. <i>FASEB Journal</i> , 2009 , 23, 673.2	0.9	
46	Catalytic inactivation of human carbonic anhydrase I by a metallopeptide-sulfonamide conjugate is mediated by oxidation of active site residues. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2388-9	16.4	29
45	Catalytic metallodrugs. <i>Pure and Applied Chemistry</i> , 2008 , 80, 1799-1810	2.1	23
44	Mapping iron binding sites on human frataxin: implications for cluster assembly on the ISU Fe-S cluster scaffold protein. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 825-36	3.7	34
43	Iron sulfur cluster biosynthesis. Human NFU mediates sulfide delivery to ISU in the final step of [2Fe-2S] cluster assembly. <i>Chemical Communications</i> , 2007 , 3192-4	5.8	23
42	Influence of stereochemistry and redox potentials on the single- and double-strand DNA cleavage efficiency of Cu(II) and Ni(II) Lys-Gly-His-derived ATCUN metallopeptides. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8353-61	16.4	122
41	N-terminal iron-mediated self-cleavage of human frataxin: regulation of iron binding and complex formation with target proteins. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 535-42	3.7	36
40	Cellular activity of Rev response element RNA targeting metallopeptides. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 637-44	3.7	24
39	Stimulation and oxidative catalytic inactivation of thermolysin by copper.Cys-Gly-His-Lys. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 981-7	3.7	9
38	Metalloaminoglycosides: Chemistry and Biological Relevance 2007 , 235-254		2
37	Targeted cleavage of HIV rev response element RNA by metallopeptide complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 410-1	16.4	50
36	Metallopeptide-promoted inactivation of angiotensin-converting enzyme and endothelin-converting enzyme 1: Toward dual-action therapeutics. <i>Journal of Biological Inorganic Chemistry</i> , 2006 , 11, 937-47	3.7	25

35	Iron-sulfur cluster biosynthesis. Molecular chaperone DnaK promotes IscU-bound [2Fe-2S] cluster stability and inhibits cluster transfer activity. <i>Biochemistry</i> , 2005 , 44, 4284-93	3.2	21
34	DNA cleavage by copper-ATCUN complexes. Factors influencing cleavage mechanism and linearization of dsDNA. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8408-15	16.4	229
33	Inactivation of human angiotensin converting enzyme by copper peptide complexes containing ATCUN motifs. <i>Chemical Communications</i> , 2005 , 5916-8	5.8	36
32	Iron-sulfur cluster biosynthesis: biochemical characterization of the conformational dynamics of <i>Thermotoga maritima</i> IscU and the relevance for cellular cluster assembly. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10469-75	5.4	31
31	<i>Thermotoga maritima</i> IscU. Structural characterization and dynamics of a new class of metallochaperone. <i>Journal of Molecular Biology</i> , 2003 , 331, 907-24	6.5	54
30	Iron-sulfur cluster biosynthesis: characterization of <i>Schizosaccharomyces pombe</i> Isa1. <i>Journal of Biological Inorganic Chemistry</i> , 2002 , 7, 526-32	3.7	65
29	Structural and catalytic chemistry of magnesium-dependent enzymes. <i>BioMetals</i> , 2002 , 15, 225-35	3.4	265
28	Preface Introduction Magnesium in the New Millenium. <i>BioMetals</i> , 2002 , 15, 201-201	3.4	2
27	Structural and catalytic roles for divalent magnesium in nucleic acid biochemistry. <i>BioMetals</i> , 2002 , 15, 211-23	3.4	56
26	Crystal structure and stability studies of C77S HiPIP: a serine ligated [4Fe-4S] cluster. <i>Biochemistry</i> , 2002 , 41, 1195-201	3.2	37
25	Iron-sulfur cluster biosynthesis. Kinetic analysis of [2Fe-2S] cluster transfer from holo ISU to apo Fd: role of redox chemistry and a conserved aspartate. <i>Biochemistry</i> , 2002 , 41, 8876-85	3.2	94
24	Iron-sulfur cluster biosynthesis: characterization of iron nucleation sites for assembly of the [2Fe-2S] ₂ ⁺ cluster core in IscU proteins. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8774-5	16.4	73
23	Targeted site-specific cleavage of HIV-1 viral Rev responsive element by copper aminoglycosides. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 166-72	3.7	26
22	Elucidation of a [4Fe-4S] cluster degradation pathway: rapid kinetic studies of the degradation of <i>Chromatium vinosum</i> HiPIP. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 266-74	3.7	9
21	Chemical nucleases. <i>Current Opinion in Chemical Biology</i> , 2001 , 5, 634-42	9.7	327
20	Catalytic hydrolysis of DNA by metal ions and complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 337-47	3.7	224
19	Highly specific oxidative damage of double-strand DNA by copper aminoglycosides. <i>Chemical Communications</i> , 2001 , 1490-1491	5.8	28
18	Metal-ion stoichiometry of the HIV-1 RT ribonuclease H domain: evidence for two mutually exclusive sites leads to new mechanistic insights on metal-mediated hydrolysis in nucleic acid biochemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2000 , 5, 67-74	3.7	43

17	A Mutant Human IscU Protein Contains a Stable [2Fe-S] ₂ Center of Possible Functional Significance. <i>Journal of the American Chemical Society</i> , 2000 , 122, 6805-6806	16.4	77
16	Recognition of a cognate RNA aptamer by neomycin B: quantitative evaluation of hydrogen bonding and electrostatic interactions. <i>Nucleic Acids Research</i> , 2000 , 28, 2935-42	20.1	54
15	Protein-bound iron-sulfur centers. Form, function, and assembly. <i>Coordination Chemistry Reviews</i> , 1999 , 190-192, 1049-1066	23.2	28
14	Competitive Binding in Magnesium Coordination Chemistry: Water versus Ligands of Biological Interest. <i>Journal of the American Chemical Society</i> , 1999 , 121, 7665-7673	16.4	130
13	A critical evaluation of metal-promoted Klenow 3'-5' exonuclease activity: calorimetric and kinetic analyses support a one-metal-ion mechanism. <i>Journal of Biological Inorganic Chemistry</i> , 1998 , 3, 292-299	3.7	19
12	Metal Activation of Enzymes in Nucleic Acid Biochemistry. <i>Chemical Reviews</i> , 1998 , 98, 1067-1088	68.1	358
11	Dependence of the lytic activity of the N-terminal domain of human perforin on membrane lipid composition--implications for T-cell self-preservation. <i>FEBS Journal</i> , 1997 , 249, 223-31		8
10	Inert chromium and cobalt complexes as probes of magnesium-dependent enzymes. Evaluation of the mechanistic role of the essential metal cofactor in Escherichia coli exonuclease III. <i>FEBS Journal</i> , 1997 , 243, 684-9		21
9	Metal-mediated hydrolysis of biological phosphate esters. <i>Journal of Biological Inorganic Chemistry</i> , 1997 , 2, 168-176	3.7	24
8	An approach to the evaluation of RNA solution structure and metal coordination chemistry by titration calorimetry. <i>Journal of Biological Inorganic Chemistry</i> , 1996 , 1, 83-89	3.7	6
7	Influence of monovalent cations on magnesium binding to poly-RNA by solution titration calorimetry: an analysis of the salt dependence of binding enthalpies and entropies. <i>Journal of Biological Inorganic Chemistry</i> , 1996 , 1, 111-116	3.7	1
6	Mechanism of metal-promoted catalysis of nucleic acid hydrolysis by Escherichia coli ribonuclease H. <i>Journal of Biological Inorganic Chemistry</i> , 1996 , 1, 500-506	3.7	8
5	¹ H NMR studies of the Fe ₇ S ₈ ferredoxin from Bacillus schlegelii: a further attempt to understand Fe ₃ S ₄ clusters. <i>Journal of Biological Inorganic Chemistry</i> , 1996 , 1, 523-528	3.7	21
4	Desulfovirdin, a multimeric-dissimilatory sulfite reductase from Desulfovibrio vulgaris (Hildenborough). Purification, characterization, kinetics and EPR studies. <i>FEBS Journal</i> , 1994 , 223, 79-89		60
3	Transition Metals as Probes of Metal Cofactors in Nucleic Acid Biochemistry. <i>Comments on Inorganic Chemistry</i> , 1992 , 13, 293-312	3.9	12
2	Metallobiochemistry of magnesium. Coordination complexes with biological substrates: site specificity, kinetics and thermodynamics of binding, and implications for activity. <i>Inorganic Chemistry</i> , 1991 , 30, 2740-2747	5.1	47
1	Tackling Antimicrobial Stewardship through Synergy and Antimicrobial Peptides. <i>RSC Medicinal Chemistry</i> ,	3.5	1