

Antonio J Pierik

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3118247/antonio-j-pierik-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

121
papers

7,858
citations

52
h-index

86
g-index

129
ext. papers

8,708
ext. citations

7.7
avg, IF

5.54
L-index

#	Paper	IF	Citations
121	Biological activation of hydrogen. <i>Nature</i> , 1997 , 385, 126	50.4	367
120	The role of mitochondria in cellular iron-sulfur protein biogenesis and iron metabolism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1491-508	4.9	357
119	Eukaryotic DNA polymerases require an iron-sulfur cluster for the formation of active complexes. <i>Nature Chemical Biology</i> , 2011 , 8, 125-32	11.7	278
118	A low-spin iron with CN and CO as intrinsic ligands forms the core of the active site in [Fe]-hydrogenases. <i>FEBS Journal</i> , 1998 , 258, 572-8		208
117	MMS19 assembles iron-sulfur proteins required for DNA metabolism and genomic integrity. <i>Science</i> , 2012 , 337, 195-9	33.3	200
116	Anaerobic initial reaction of n-alkanes in a denitrifying bacterium: evidence for (1-methylpentyl)succinate as initial product and for involvement of an organic radical in n-hexane metabolism. <i>Journal of Bacteriology</i> , 2001 , 183, 1707-15	3.5	198
115	Carbon monoxide and cyanide as intrinsic ligands to iron in the active site of [NiFe]-hydrogenases. NiFe(CN) ₂ CO, Biology way to activate H ₂ . <i>Journal of Biological Chemistry</i> , 1999 , 274, 3331-7	5.4	197
114	The hydrogenase-like Nar1p is essential for maturation of cytosolic and nuclear iron-sulphur proteins. <i>EMBO Journal</i> , 2004 , 23, 2105-15	13	182
113	Humans possess two mitochondrial ferredoxins, Fdx1 and Fdx2, with distinct roles in steroidogenesis, heme, and Fe/S cluster biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11775-80	11.5	174
112	Human ind1, an iron-sulfur cluster assembly factor for respiratory complex I. <i>Molecular and Cellular Biology</i> , 2009 , 29, 6059-73	4.8	166
111	Crystal structures of nucleotide-free and glutathione-bound mitochondrial ABC transporter Atm1. <i>Science</i> , 2014 , 343, 1137-40	33.3	162
110	Tah18 transfers electrons to Dre2 in cytosolic iron-sulfur protein biogenesis. <i>Nature Chemical Biology</i> , 2010 , 6, 758-65	11.7	157
109	The Cfd1-Nbp35 complex acts as a scaffold for iron-sulfur protein assembly in the yeast cytosol. <i>Nature Chemical Biology</i> , 2007 , 3, 278-86	11.7	149
108	Nitric Oxide Binding to the Ferri- and Ferroheme States of Nitrophorin 1, a Reversible NO-Binding Heme Protein from the Saliva of the Blood-Sucking Insect, <i>Rhodnius prolixus</i> . <i>Journal of the American Chemical Society</i> , 1999 , 121, 128-138	16.4	147
107	The eukaryotic P loop NTPase Nbp35: an essential component of the cytosolic and nuclear iron-sulfur protein assembly machinery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3266-71	11.5	142
106	Maturation of cytosolic and nuclear iron-sulfur proteins. <i>Trends in Cell Biology</i> , 2014 , 24, 303-12	18.3	139
105	The role of mitochondria and the CIA machinery in the maturation of cytosolic and nuclear iron-sulfur proteins. <i>European Journal of Cell Biology</i> , 2015 , 94, 280-91	6.1	135

104	The iron-sulphur protein Ind1 is required for effective complex I assembly. <i>EMBO Journal</i> , 2008 , 27, 1736-1746	4.6	135
103	Synthesis and uptake of the compatible solutes ectoine and 5-hydroxyectoine by <i>Streptomyces coelicolor</i> A3(2) in response to salt and heat stresses. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 7286-96	4.8	134
102	Specialized function of yeast Isa1 and Isa2 proteins in the maturation of mitochondrial [4Fe-4S] proteins. <i>Journal of Biological Chemistry</i> , 2011 , 286, 41205-41216	5.4	127
101	Mechanisms of iron-sulfur protein maturation in mitochondria, cytosol and nucleus of eukaryotes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 652-67	4.9	124
100	Redox properties of the iron-sulfur clusters in activated Fe-hydrogenase from <i>Desulfovibrio vulgaris</i> (Hildenborough). <i>FEBS Journal</i> , 1992 , 209, 63-72		116
99	Human CIA2A-FAM96A and CIA2B-FAM96B integrate iron homeostasis and maturation of different subsets of cytosolic-nuclear iron-sulfur proteins. <i>Cell Metabolism</i> , 2013 , 18, 187-98	24.6	114
98	Osmotically induced synthesis of the compatible solute hydroxyectoine is mediated by an evolutionarily conserved ectoine hydroxylase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 31147-55	5.4	112
97	The essential WD40 protein Cia1 is involved in a late step of cytosolic and nuclear iron-sulfur protein assembly. <i>Molecular and Cellular Biology</i> , 2005 , 25, 10833-41	4.8	106
96	Redox properties and EPR spectroscopy of the P clusters of <i>Azotobacter vinelandii</i> MoFe protein. <i>FEBS Journal</i> , 1993 , 212, 51-61		102
95	New glycyl radical enzymes catalysing key metabolic steps in anaerobic bacteria. <i>Biological Chemistry</i> , 2005 , 386, 981-8	4.5	96
94	S = 9/2 EPR signals are evidence against coupling between the siroheme and the Fe/S cluster prosthetic groups in <i>Desulfovibrio vulgaris</i> (Hildenborough) dissimilatory sulfite reductase. <i>FEBS Journal</i> , 1991 , 195, 505-16		93
93	Acryloyl-CoA reductase from <i>Clostridium propionicum</i> . An enzyme complex of propionyl-CoA dehydrogenase and electron-transferring flavoprotein. <i>FEBS Journal</i> , 2003 , 270, 902-10		89
92	Biochemical characterisation and genetic analysis of aureocin A53, a new, atypical bacteriocin from <i>Staphylococcus aureus</i> . <i>Journal of Molecular Biology</i> , 2002 , 319, 745-56	6.5	89
91	Human Nbp35 is essential for both cytosolic iron-sulfur protein assembly and iron homeostasis. <i>Molecular and Cellular Biology</i> , 2008 , 28, 5517-28	4.8	87
90	Determination of the redox properties of the Rieske [2Fe-2S] cluster of bovine heart bc1 complex by direct electrochemistry of a water-soluble fragment. <i>FEBS Journal</i> , 1992 , 208, 685-91		84
89	Characterization of the photoconversion of green fluorescent protein with FTIR spectroscopy. <i>Biochemistry</i> , 1998 , 37, 16915-21	3.2	83
88	Sodium ion pumps and hydrogen production in glutamate fermenting anaerobic bacteria. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2005 , 10, 105-19	0.9	79
87	A bridging [4Fe-4S] cluster and nucleotide binding are essential for function of the Cfd1-Nbp35 complex as a scaffold in iron-sulfur protein maturation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 12365-74	5.4	78

86	Multi-frequency EPR and high-resolution Mössbauer spectroscopy of a putative [6Fe-6S] prismane-cluster-containing protein from <i>Desulfovibrio vulgaris</i> (Hildenborough). Characterization of a supercluster and superspin model protein. <i>FEBS Journal</i> , 1992 , 206, 705-19		75
85	SufU is an essential iron-sulfur cluster scaffold protein in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2010 , 192, 1643-51	3.5	73
84	Analysis of iron-sulfur protein maturation in eukaryotes. <i>Nature Protocols</i> , 2009 , 4, 753-66	18.8	72
83	A spectroelectrochemical study of factor F430 nickel(II/I) from methanogenic bacteria in aqueous solution. <i>Journal of the American Chemical Society</i> , 1993 , 115, 5651-5656	16.4	71
82	Chloroplast HCF101 is a scaffold protein for [4Fe-4S] cluster assembly. <i>Biochemical Journal</i> , 2009 , 425, 207-14	3.8	69
81	The substrate radical of <i>Escherichia coli</i> oxygen-independent coproporphyrinogen III oxidase HemN. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15727-34	5.4	67
80	Purification and biochemical characterization of a putative [6Fe-6S] prismane-cluster-containing protein from <i>Desulfovibrio vulgaris</i> (Hildenborough). <i>FEBS Journal</i> , 1992 , 206, 697-704		66
79	CryB from <i>Rhodobacter sphaeroides</i> : a unique class of cryptochromes with new cofactors. <i>EMBO Reports</i> , 2012 , 13, 223-9	6.5	65
78	4-Hydroxyphenylacetate decarboxylases: properties of a novel subclass of glycol radical enzyme systems. <i>Biochemistry</i> , 2006 , 45, 9584-92	3.2	61
77	Nigerythrin and rubrerythrin from <i>Desulfovibrio vulgaris</i> each contain two mononuclear iron centers and two dinuclear iron clusters. <i>FEBS Journal</i> , 1993 , 212, 237-45		61
76	Structure of the yeast WD40 domain protein Cia1, a component acting late in iron-sulfur protein biogenesis. <i>Structure</i> , 2007 , 15, 1246-57	5.2	59
75	The third subunit of desulfoviridin-type dissimilatory sulfite reductases. <i>FEBS Journal</i> , 1992 , 205, 111-5		58
74	An allylic ketyl radical intermediate in clostridial amino-acid fermentation. <i>Nature</i> , 2008 , 452, 239-42	50.4	55
73	Characterization of the active site of a hydrogen sensor from <i>Alcaligenes eutrophus</i> . <i>FEBS Letters</i> , 1998 , 438, 231-5	3.8	53
72	The essential cytosolic iron-sulfur protein Nbp35 acts without Cfd1 partner in the green lineage. <i>Journal of Biological Chemistry</i> , 2008 , 283, 35797-804	5.4	52
71	The dissimilatory sulfite reductase from <i>Desulfosarcina variabilis</i> is a desulforubidin containing uncoupled metalated sirohemes and S = 9/2 iron-sulfur clusters. <i>Biochemistry</i> , 1993 , 32, 10323-30	3.2	52
70	Novel electron paramagnetic resonance signals from an Fe/S protein containing six iron atoms. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 4083		52
69	Two distinct heterodisulfide reductase-like enzymes in the sulfate-reducing archaeon <i>Archaeoglobus profundus</i> . <i>FEBS Journal</i> , 2004 , 271, 1106-16		51

68	Molecular and functional analysis of nicotinate catabolism in <i>Eubacterium barkeri</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 12341-6	11.5	49
67	A photolyase-like protein from <i>Agrobacterium tumefaciens</i> with an iron-sulfur cluster. <i>PLoS ONE</i> , 2011 , 6, e26775	3.7	48
66	EPR characterization of a high-spin system in carbon monoxide dehydrogenase from <i>Methanotherix soehngenii</i> . <i>FEBS Journal</i> , 1991 , 202, 1291-7		47
65	Difference Fourier Transform Infrared Evidence for Ester Bonds Linking the Heme Group in Myeloperoxidase, Lactoperoxidase, and Eosinophil Peroxidase. <i>Journal of the American Chemical Society</i> , 1997 , 119, 11542-11543	16.4	46
64	The involvement of coenzyme A esters in the dehydration of (R)-phenyllactate to (E)-cinnamate by <i>Clostridium sporogenes</i> . <i>FEBS Journal</i> , 2000 , 267, 3874-84		46
63	Trans/cis (Z/E) photoisomerization of the chromophore of photoactive yellow protein is not a prerequisite for the initiation of the photocycle of this photoreceptor protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 7396-401	11.5	46
62	Bacterial ApbC can bind and effectively transfer iron-sulfur clusters. <i>Biochemistry</i> , 2008 , 47, 8195-202	3.2	43
61	Calcium-independent phospholipase A2 in rat tissue cytosols. <i>Lipids and Lipid Metabolism</i> , 1988 , 962, 345-53		42
60	The deca-GX3 proteins Yae1-Lto1 function as adaptors recruiting the ABC protein Rli1 for iron-sulfur cluster insertion. <i>ELife</i> , 2015 , 4, e08231	8.9	42
59	Biochemical Reconstitution and Spectroscopic Analysis of Iron-Sulfur Proteins. <i>Methods in Enzymology</i> , 2018 , 599, 197-226	1.7	42
58	Substrate specificities and electron paramagnetic resonance properties of benzylsuccinate synthases in anaerobic toluene and m-xylene metabolism. <i>Archives of Microbiology</i> , 2004 , 181, 155-62	3	41
57	Adenosine triphosphate-induced electron transfer in 2-hydroxyglutaryl-CoA dehydratase from <i>Acidaminococcus fermentans</i> . <i>Biochemistry</i> , 2002 , 41, 5873-82	3.2	41
56	The Fe-reducing [NiFe]-hydrogenase complex from <i>Methanothermobacter marburgensis</i> , the first X-ray structure of a group 3 family member. <i>Journal of Molecular Biology</i> , 2014 , 426, 2813-26	6.5	40
55	The Mo-Se active site of nicotinate dehydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11055-60	11.5	39
54	Crucial role of conserved cysteine residues in the assembly of two iron-sulfur clusters on the CIA protein Nar1. <i>Biochemistry</i> , 2009 , 48, 4946-58	3.2	38
53	Molecular characterization of phenyllactate dehydratase and its initiator from <i>Clostridium sporogenes</i> . <i>Molecular Microbiology</i> , 2002 , 44, 49-60	4.1	38
52	Paramagnetic centers and acetyl-coenzyme A/CO exchange activity of carbon monoxide dehydrogenase from <i>Methanotherix soehngenii</i> . <i>FEBS Journal</i> , 1991 , 195, 385-91		38
51	The basic leucine zipper stress response regulator Yap5 senses high-iron conditions by coordination of [2Fe-2S] clusters. <i>Molecular and Cellular Biology</i> , 2015 , 35, 370-8	4.8	37

50	Requirements of the cytosolic iron-sulfur cluster assembly pathway in Arabidopsis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120259	5.8	36
49	Substrate specificity of 2-hydroxyglutaryl-CoA dehydratase from <i>Clostridium symbiosum</i> : toward a bio-based production of adipic acid. <i>Biochemistry</i> , 2011 , 50, 3540-50	3.2	35
48	Characterization of a new thermophilic spore photoproduct lyase from <i>Geobacillus stearothermophilus</i> (SplG) with defined lesion containing DNA substrates. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36317-26	5.4	34
47	A two [4Fe-4S]-cluster-containing ferredoxin as an alternative electron donor for 2-hydroxyglutaryl-CoA dehydratase from <i>Acidaminococcus fermentans</i> . <i>Archives of Microbiology</i> , 2003 , 179, 197-204	3	32
46	Structure of the Kti11/Kti13 heterodimer and its double role in modifications of tRNA and eukaryotic elongation factor 2. <i>Structure</i> , 2015 , 23, 149-160	5.2	31
45	The ether-cleaving methyltransferase system of the strict anaerobe <i>Acetobacterium dehalogenans</i> : analysis and expression of the encoding genes. <i>Journal of Bacteriology</i> , 2009 , 191, 588-99	3.5	31
44	Nar1p, a conserved eukaryotic protein with similarity to Fe-only hydrogenases, functions in cytosolic iron-sulphur protein biogenesis. <i>Biochemical Society Transactions</i> , 2005 , 33, 86-9	5.1	31
43	The primary structure of a protein containing a putative [6Fe-6S] prismatic cluster from <i>Desulfovibrio vulgaris</i> (Hildenborough). <i>FEBS Journal</i> , 1992 , 208, 435-42		31
42	Identification of osmoadaptive strategies in the halophile, heterotrophic ciliate <i>Schmidingerothrix salinarum</i> . <i>PLoS Biology</i> , 2018 , 16, e2003892	9.7	31
41	The conserved protein Dre2 uses essential [2Fe-2S] and [4Fe-4S] clusters for its function in cytosolic iron-sulfur protein assembly. <i>Biochemical Journal</i> , 2016 , 473, 2073-85	3.8	29
40	Subunit composition of the glycol radical enzyme p-hydroxyphenylacetate decarboxylase. A small subunit, HpdC, is essential for catalytic activity. <i>FEBS Journal</i> , 2004 , 271, 2225-30		29
39	Intramolecular N- π Coordination as a Stabilizing Scaffold for π -Conjugated Radical Anions with Tunable Redox Potentials. <i>Organometallics</i> , 2017 , 36, 2527-2535	3.8	24
38	Identification and characterization of a novel-type ferric siderophore reductase from a gram-positive extremophile. <i>Journal of Biological Chemistry</i> , 2011 , 286, 2245-60	5.4	23
37	Phthaloyl-coenzyme A decarboxylase from <i>Thauera chlorobenzoica</i> : the prenylated flavin-, K- and Fe-dependent key enzyme of anaerobic phthalate degradation. <i>Environmental Microbiology</i> , 2017 , 19, 3734-3744	5.2	21
36	Cytosolic iron-sulphur protein assembly is functionally conserved and essential in procyclic and bloodstream <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2014 , 93, 897-910	4.1	20
35	Searching for intermediates in the carbon skeleton rearrangement of 2-methyleneglutarate to (R)-3-methylitaconate catalyzed by coenzyme B12-dependent 2-methyleneglutarate mutase from <i>Eubacterium barkeri</i> . <i>Biochemistry</i> , 2005 , 44, 10541-51	3.2	20
34	Homologous expression of the <i>nrdF</i> gene of <i>Corynebacterium ammoniagenes</i> strain ATCC 6872 generates a manganese-metallocofactor (R2F) and a stable tyrosyl radical (Y \cdot) involved in ribonucleotide reduction. <i>FEBS Journal</i> , 2010 , 277, 4849-62	5.7	19
33	Identification of FeS clusters in the glycol-radical enzyme benzylsuccinate synthase via EPR and Mössbauer spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 49-56	3.7	18

32	Overproduction of prismane protein in <i>Desulfovibrio vulgaris</i> (Hildenborough): evidence for a second $S = 1/2$ -spin system in the one-electron reduced state. <i>FEBS Journal</i> , 1992 , 210, 983-8		18
31	Synthesis of (^{13}C) -labeled gamma-hydroxybutyrates for EPR studies with 4-hydroxybutyryl-CoA dehydratase. <i>Bioorganic Chemistry</i> , 2005 , 33, 53-66	5.1	17
30	Evidence for an oxygen-sensitive iron-sulfur cluster in an immature large subunit species of <i>Escherichia coli</i> [NiFe]-hydrogenase 2. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 424, 158-63	3.4	16
29	Biochemical characterization of molybdenum cofactor-free nitrate reductase from <i>Neurospora crassa</i> . <i>Journal of Biological Chemistry</i> , 2013 , 288, 14657-14671	5.4	15
28	Electron paramagnetic resonance (EPR) spectroscopy of the stable-free radical in the native metallo-cofactor of the manganese-ribonucleotide reductase (Mn-RNR) of <i>Corynebacterium glutamicum</i> . <i>Free Radical Research</i> , 2009 , 43, 943-50	4	15
27	Rotation of the exo-methylene group of (R)-3-methylitaconate catalyzed by coenzyme B(12)-dependent 2-methyleneglutarate mutase from <i>Eubacterium barkeri</i> . <i>Journal of the American Chemical Society</i> , 2002 , 124, 14039-48	16.4	15
26	Apd1 and Aim32 Are Prototypes of Bishistidinyl-Coordinated Non-Rieske [2Fe-2S] Proteins. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5753-5765	16.4	14
25	Dihydroorotate dehydrogenase from <i>Saccharomyces cerevisiae</i> : spectroscopic investigations with the recombinant enzyme throw light on catalytic properties and metabolism of fumarate analogues. <i>FEMS Yeast Research</i> , 2007 , 7, 897-904	3.1	13
24	Low potential enzymatic hydride transfer via highly cooperative and inversely functionalized flavin cofactors. <i>Nature Communications</i> , 2019 , 10, 2074	17.4	12
23	4-Hydroxyphenylacetate decarboxylase activating enzyme catalyses a classical S-adenosylmethionine reductive cleavage reaction. <i>Journal of Biological Inorganic Chemistry</i> , 2013 , 18, 633-43	3.7	11
22	Crystal structure and putative mechanism of 3-methylitaconate-delta-isomerase from <i>Eubacterium barkeri</i> . <i>Journal of Molecular Biology</i> , 2009 , 391, 609-20	6.5	11
21	Structural and kinetic properties of a beta-hydroxyacid dehydrogenase involved in nicotinate fermentation. <i>Journal of Molecular Biology</i> , 2008 , 382, 802-11	6.5	11
20	Substrate-induced radical formation in 4-hydroxybutyryl coenzyme A dehydratase from <i>Clostridium aminobutyricum</i> . <i>Applied and Environmental Microbiology</i> , 2015 , 81, 1071-84	4.8	10
19	Synthesis of enantiomerically-pure $[^{13}\text{C}]$ aristeromycylcobalamin and its reactivity in dioldehydratase, glyceroldehydratase, ethanolamine ammonia-lyase and methylmalonyl-CoA mutase reactions. <i>Chemistry - A European Journal</i> , 2003 , 9, 652-60	4.8	10
18	ATP-Dependent Electron Activation Module of Benzoyl-Coenzyme A Reductase from the Hyperthermophilic Archaeon <i>Ferroglobus placidus</i> . <i>Biochemistry</i> , 2016 , 55, 5578-5586	3.2	9
17	A complex of 2-hydroxyisocaproyl-coenzyme A dehydratase and its activator from <i>Clostridium difficile</i> stabilized by aluminium tetrafluoride-adenosine diphosphate. <i>ChemPhysChem</i> , 2010 , 11, 1307-12 ²		9
16	Axial coordination and reduction potentials of the sixteen hemes in high-molecular-mass cytochrome c from <i>Desulfovibrio vulgaris</i> (Hildenborough). <i>FEBS Journal</i> , 1994 , 225, 311-9		8
15	Roles of the Nfu Fe-S targeting factors in the trypanosome mitochondrion. <i>International Journal for Parasitology</i> , 2016 , 46, 641-51	4.3	7

14	Glycine Betaine and Ectoine Are the Major Compatible Solutes Used by Four Different Halophilic Heterotrophic Ciliates. <i>Microbial Ecology</i> , 2019 , 77, 317-331	4.4	7
13	Cyclopentadienide Ligand CpCIPossessing Intrinsic Helical Chirality and Its Ferrocene Analogues. <i>Organometallics</i> , 2015 , 34, 5374-5382	3.8	7
12	The crystal structure of enamidase: a bifunctional enzyme of the nicotinate catabolism. <i>Journal of Molecular Biology</i> , 2008 , 384, 837-47	6.5	7
11	Mechanism-Based Inactivation of Coenzyme B12-Dependent 2-Methyleneglutarate Mutase by (Z)-Glutaconate and Buta-1,3-diene-2,3-dicarboxylate. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 3622-3626	2.3	7
10	Turn-on fluorescence sensors based on dynamic intramolecular N-B-coordination. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1437-1452	5.2	7
9	But-3-ene-1,2-diol: a mechanism-based active site inhibitor for coenzyme B12-dependent glycerol dehydratase. <i>ChemBioChem</i> , 2008 , 9, 2268-75	3.8	6
8	Si-face stereospecificity at C5 of coenzyme F420 for F420H2 oxidase from methanogenic Archaea as determined by mass spectrometry. <i>FEBS Journal</i> , 2005 , 272, 5337-42	5.7	5
7	The ferredoxin-like domain of the activating enzyme is required for generating a lasting glycy radical in 4-hydroxyphenylacetate decarboxylase. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 1317-26	3.7	4
6	Influence of the fusion of two subunits of the F420-non-reducing hydrogenase of Methanococcus voltae on its biochemical properties. <i>Archives of Microbiology</i> , 2000 , 174, 375-8	3	2
5	Branched late-steps of the cytosolic iron-sulphur cluster assembly machinery of Trypanosoma brucei. <i>PLoS Pathogens</i> , 2018 , 14, e1007326	7.6	2
4	Exchange of a single amino acid residue in the cryptophyte phycobiliprotein lyase GtCPES expands its substrate specificity		1
3	Phenothiazine electrophores immobilized on periodic mesoporous organosilicas by ion exchange. <i>New Journal of Chemistry</i> , 2019 , 43, 16396-16410	3.6	1
2	Characterization of Mycobacterium tuberculosis ferredoxin with Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2019 , 240, 1	0.8	1
1	Electron inventory of the iron-sulfur scaffold complex HypCD essential in [NiFe]-hydrogenase cofactor assembly. <i>Biochemical Journal</i> , 2021 , 478, 3281-3295	3.8	1