

JoAnne Stubbe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1473970/publications.pdf>

Version: 2024-02-01

216
papers

14,797
citations

15495

65
h-index

24232

110
g-index

222
all docs

222
docs citations

222
times ranked

7955
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Radicals in Enzyme Catalysis. <i>Chemical Reviews</i> , 1998, 98, 705-762.	23.0	1,401
2	Radical Initiation in the Class I Ribonucleotide Reductase: Long-Range Proton-Coupled Electron Transfer?. <i>Chemical Reviews</i> , 2003, 103, 2167-2202.	23.0	770
3	Cytosolic Monothiol Glutaredoxins Function in Intracellular Iron Sensing and Trafficking via Their Bound Iron-Sulfur Cluster. <i>Cell Metabolism</i> , 2010, 12, 373-385.	7.2	263
4	Proton-coupled electron transfer: the mechanistic underpinning for radical transport and catalysis in biology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 1351-1364.	1.8	262
5	Reconsideration of X, the Diiron Intermediate Formed during Cofactor Assembly in <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 1996, 118, 7551-7557.	6.6	253
6	Reversible, Long-Range Radical Transfer in <i>E. coli</i> Class Ia Ribonucleotide Reductase. <i>Accounts of Chemical Research</i> , 2013, 46, 2524-2535.	7.6	223
7	Bleomycins: A Structural Model for Specificity, Binding, and Double Strand Cleavage. <i>Accounts of Chemical Research</i> , 1996, 29, 322-330.	7.6	218
8	PHA synthase activity controls the molecular weight and polydispersity of polyhydroxybutyrate in vivo. <i>Nature Biotechnology</i> , 1997, 15, 63-67.	9.4	196
9	An ENDOR study of the tyrosyl free radical in ribonucleotide reductase from <i>Escherichia coli</i> . <i>Journal of the American Chemical Society</i> , 1989, 111, 8076-8083.	6.6	187
10	The crystal structure of class II ribonucleotide reductase reveals how an allosterically regulated monomer mimics a dimer. <i>Nature Structural Biology</i> , 2002, 9, 293-300.	9.7	187
11	EXAFS Characterization of the Intermediate X Generated During the Assembly of the <i>Escherichia coli</i> Ribonucleotide Reductase R2 Diferric Tyrosyl Radical Cofactor. <i>Journal of the American Chemical Society</i> , 1998, 120, 849-860.	6.6	186
12	Class I Ribonucleotide Reductases: Metallocofactor Assembly and Repair In Vitro and In Vivo. <i>Annual Review of Biochemistry</i> , 2011, 80, 733-767.	5.0	183
13	Ribonucleotide reductases: radical enzymes with suicidal tendencies. <i>Chemistry and Biology</i> , 1995, 2, 793-801.	6.2	182
14	Mechanism of Assembly of the Tyrosyl Radical-Diiron(III) Cofactor of <i>E. coli</i> Ribonucleotide Reductase. 2. Kinetics of The Excess Fe ²⁺ Reaction by Optical, EPR, and Moessbauer Spectroscopies. <i>Journal of the American Chemical Society</i> , 1994, 116, 8015-8023.	6.6	179
15	Mechanism of Assembly of the Tyrosyl Radical-Diiron(III) Cofactor of <i>E. coli</i> Ribonucleotide Reductase. 3. Kinetics of the Limiting Fe ²⁺ Reaction by Optical, EPR, and Moessbauer Spectroscopies. <i>Journal of the American Chemical Society</i> , 1994, 116, 8024-8032.	6.6	154
16	Harnessing free radicals: formation and function of the tyrosyl radical in ribonucleotide reductase. <i>Trends in Biochemical Sciences</i> , 1998, 23, 438-443.	3.7	149
17	The <i>Ralstonia eutropha</i> PhaR Protein Couples Synthesis of the PhaP Phasin to the Presence of Polyhydroxybutyrate in Cells and Promotes Polyhydroxybutyrate Production. <i>Journal of Bacteriology</i> , 2002, 184, 59-66.	1.0	148
18	Polyhydroxyalkanoate (PHA) homeostasis: the role of the PHA synthase. <i>Natural Product Reports</i> , 2003, 20, 445.	5.2	143

#	ARTICLE	IF	CITATIONS
19	Class I and III Polyhydroxyalkanoate Synthases from <i>Ralstonia eutropha</i> and <i>Allochromatium vinosum</i> : Characterization and Substrate Specificity Studies. <i>Archives of Biochemistry and Biophysics</i> , 2001, 394, 87-98.	1.4	134
20	Subcellular localization of yeast ribonucleotide reductase regulated by the DNA replication and damage checkpoint pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6628-6633.	3.3	133
21	NONTEMPLATE-DEPENDENT POLYMERIZATION PROCESSES: Polyhydroxyalkanoate Synthases as a Paradigm. <i>Annual Review of Biochemistry</i> , 2005, 74, 433-480.	5.0	132
22	Structural Basis for Activation of Class Ib Ribonucleotide Reductase. <i>Science</i> , 2010, 329, 1526-1530.	6.0	131
23	Site-Specific Insertion of 3-Aminotyrosine into Subunit β of <i>E. coli</i> Ribonucleotide Reductase: Direct Evidence for Involvement of Y ₇₃₀ and Y ₇₃₁ in Radical Propagation. <i>Journal of the American Chemical Society</i> , 2007, 129, 15060-15071.	6.6	129
24	Mono-, Di-, Tri-, and Tetra-Substituted Fluorotyrosines: New Probes for Enzymes That Use Tyrosyl Radicals in Catalysis. <i>Journal of the American Chemical Society</i> , 2006, 128, 1569-1579.	6.6	126
25	Metallation and mismetallation of iron and manganese proteins in vitro and in vivo: the class I ribonucleotide reductases as a case study. <i>Metallomics</i> , 2012, 4, 1020.	1.0	124
26	New Insight into the Role of the PhaP Phasin of <i>Ralstonia eutropha</i> in Promoting Synthesis of Polyhydroxybutyrate. <i>Journal of Bacteriology</i> , 2001, 183, 2394-2397.	1.0	123
27	High-frequency (139.5 GHz) EPR spectroscopy of the tyrosyl radical in <i>Escherichia coli</i> ribonucleotide reductase. <i>Journal of the American Chemical Society</i> , 1993, 115, 6420-6421.	6.6	121
28	Pre-Steady-State and Steady-State Kinetic Analysis of <i>E. coli</i> Class I Ribonucleotide Reductase. <i>Biochemistry</i> , 2003, 42, 10071-10083.	1.2	121
29	An Active Dimanganese(III) Tyrosyl Radical Cofactor in <i>Escherichia coli</i> Class Ib Ribonucleotide Reductase. <i>Biochemistry</i> , 2010, 49, 1297-1309.	1.2	121
30	Di-iron-tyrosyl radical ribonucleotide reductases. <i>Current Opinion in Chemical Biology</i> , 2003, 7, 183-188.	2.8	120
31	Mechanistic studies on bleomycin-mediated DNA damage: multiple binding modes can result in double-stranded DNA cleavage. <i>Nucleic Acids Research</i> , 2008, 36, 3781-3790.	6.5	120
32	Ribonucleotide Reductases: Structure, Chemistry, and Metabolism Suggest New Therapeutic Targets. <i>Annual Review of Biochemistry</i> , 2020, 89, 45-75.	5.0	120
33	The Core Structure of X Generated in the Assembly of the Diiron Cluster of Ribonucleotide Reductase: $^{17}O_2$ and $H_2^{17}O$ ENDOR. <i>Journal of the American Chemical Society</i> , 1998, 120, 12910-12919.	6.6	119
34	Coenzyme B12-Dependent Ribonucleotide Reductase: Evidence for the Participation of Five Cysteine Residues in Ribonucleotide Reduction. <i>Biochemistry</i> , 1994, 33, 12676-12685.	1.2	117
35	Identification of the Protonated Oxygenic Ligands of Ribonucleotide Reductase Intermediate X by Q-Band 1,2H CW and Pulsed ENDOR. <i>Journal of the American Chemical Society</i> , 1997, 119, 9816-9824.	6.6	114
36	pH Rate Profiles of F _n Y356R ₂ s (n = 2, 3, 4) in <i>Escherichia coli</i> Ribonucleotide Reductase: Evidence that Y356 is a Redox-Active Amino Acid along the Radical Propagation Pathway. <i>Journal of the American Chemical Society</i> , 2006, 128, 1562-1568.	6.6	114

#	ARTICLE	IF	CITATIONS
37	Kinetic Studies of Polyhydroxybutyrate Granule Formation in <i>Wautersia eutropha</i> H16 by Transmission Electron Microscopy. <i>Journal of Bacteriology</i> , 2005, 187, 3814-3824.	1.0	111
38	Studies of Co ^{II} -Bleomycin A2 Green: Its Detailed Structural Characterization by NMR and Molecular Modeling and Its Sequence-Specific Interaction with DNA Oligonucleotides. <i>Journal of the American Chemical Society</i> , 1996, 118, 1268-1280.	6.6	108
39	Lipases Provide a New Mechanistic Model for Polyhydroxybutyrate (PHB) Synthases: Characterization of the Functional Residues in <i>Chromatium vinosum</i> PHB Synthase. <i>Biochemistry</i> , 2000, 39, 3927-3936.	1.2	106
40	Rapid Freeze-Quench ENDOR of the Radical X Intermediate of <i>Escherichia coli</i> Ribonucleotide Reductase Using ¹⁷ O ₂ , ² H ₂ O, and ² H ₂ O. <i>Journal of the American Chemical Society</i> , 1996, 118, 281-282.	6.6	105
41	EPR Distance Measurements Support a Model for Long-Range Radical Initiation in <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2005, 127, 15014-15015.	6.6	102
42	<i>Ralstonia eutropha</i> H16 Encodes Two and Possibly Three Intracellular Poly[d -(S)-3-Hydroxybutyrate] Depolymerase Genes. <i>Journal of Bacteriology</i> , 2003, 185, 3788-3794.	1.0	101
43	N ⁵ -Carboxyaminoimidazole Ribonucleotide: Evidence for a New Intermediate and Two New Enzymic Activities in the de Novo Purine Biosynthetic Pathway of <i>Escherichia coli</i> . <i>Biochemistry</i> , 1994, 33, 2269-2278.	1.2	99
44	Enhanced subunit interactions with gemcitabine-5'-diphosphate inhibit ribonucleotide reductases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14324-14329.	3.3	98
45	Incorporation of Fluorotyrosines into Ribonucleotide Reductase Using an Evolved, Polyspecific Aminoacyl-tRNA Synthetase. <i>Journal of the American Chemical Society</i> , 2011, 133, 15942-15945.	6.6	97
46	Mechanism of Assembly of the Dimanganese-Tyrosyl Radical Cofactor of Class Ib Ribonucleotide Reductase: Enzymatic Generation of Superoxide Is Required for Tyrosine Oxidation via a Mn(III)Mn(IV) Intermediate. <i>Journal of the American Chemical Society</i> , 2013, 135, 4027-4039.	6.6	97
47	Modular evolution of the purine biosynthetic pathway. <i>Current Opinion in Chemical Biology</i> , 2000, 4, 567-572.	2.8	93
48	PHA Synthase from <i>Chromatium vinosum</i> : Cysteine 149 Is Involved in Covalent Catalysis. <i>Biochemistry</i> , 1999, 38, 826-837.	1.2	92
49	Ribonucleotide reductases: the link between an RNA and a DNA world?. <i>Current Opinion in Structural Biology</i> , 2000, 10, 731-736.	2.6	92
50	Mechanistic Studies on Class I Polyhydroxybutyrate (PHB) Synthase from <i>Ralstonia eutropha</i> : Class I and III Synthases Share a Similar Catalytic Mechanism. <i>Biochemistry</i> , 2001, 40, 1011-1019.	1.2	90
51	Structural interconversions modulate activity of <i>Escherichia coli</i> ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 21046-21051.	3.3	87
52	The evolution of ribonucleotide reduction revisited. <i>Trends in Biochemical Sciences</i> , 2001, 26, 93-99.	3.7	84
53	Site-Specific Replacement of Y356 with 3,4-Dihydroxyphenylalanine in the β Subunit of <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2006, 128, 2522-2523.	6.6	84
54	EPR Investigations of the Inactivation of <i>E. coli</i> Ribonucleotide Reductase with 2'-Azido-2'-deoxyuridine 5'-Diphosphate: Evidence for the Involvement of the Thiyl Radical of C225-R1. <i>Journal of the American Chemical Society</i> , 1995, 117, 8908-8916.	6.6	83

#	ARTICLE	IF	CITATIONS
55	Location of the redox-active thiols of ribonucleotide reductase: sequence similarity between the <i>Escherichia coli</i> and <i>Lactobacillus leichmannii</i> enzymes. <i>Biochemistry</i> , 1987, 26, 6905-6909.	1.2	82
56	Structure of a trapped radical transfer pathway within a ribonucleotide reductase holocomplex. <i>Science</i> , 2020, 368, 424-427.	6.0	82
57	Studies on the Catalysis of Carbon-Cobalt Bond Homolysis by Ribonucleoside Triphosphate Reductase: Evidence for Concerted Carbon-Cobalt Bond Homolysis and Thiyl Radical Formation. <i>Biochemistry</i> , 1999, 38, 1221-1233.	1.2	81
58	Site-Specific Incorporation of 3-Nitrotyrosine as a Probe of Perturbation of Redox-Active Tyrosines in Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2010, 132, 8385-8397.	6.6	80
59	Generation of the R2 Subunit of Ribonucleotide Reductase by Intein Chemistry: Insertion of 3-Nitrotyrosine at Residue 356 as a Probe of the Radical Initiation Process. <i>Biochemistry</i> , 2003, 42, 14541-14552.	1.2	79
60	Isotope effects on the cleavage of DNA by bleomycin: Mechanism and modulation. <i>Biochemistry</i> , 1993, 32, 2601-2609.	1.2	75
61	<i>Escherichia coli</i> Class Ib Ribonucleotide Reductase Contains a Dimanganese(III)-Tyrosyl Radical Cofactor in Vivo. <i>Biochemistry</i> , 2011, 50, 1672-1681.	1.2	74
62	Detection of a New Substrate-Derived Radical during Inactivation of Ribonucleotide Reductase from <i>Escherichia coli</i> by Gemcitabine 5'-Diphosphate. <i>Biochemistry</i> , 1998, 37, 6419-6426.	1.2	69
63	Structure of the Catalytic Domain of the Class I Polyhydroxybutyrate Synthase from <i>Cupriavidus necator</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 25264-25277.	1.6	69
64	X-ray crystal structure of aminoimidazole ribonucleotide synthetase (PurM), from the <i>Escherichia coli</i> purine biosynthetic pathway at 2.5 Å... resolution. <i>Structure</i> , 1999, 7, 1155-1166.	1.6	68
65	PELDOR Spectroscopy with DOPA ² and NH ₂ Y ₂ : Distance Measurements between Residues Involved in the Radical Propagation Pathway of <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2007, 129, 15748-15749.	6.6	68
66	Inactivation of Ribonucleotide Reductase by (E)-2-Fluoromethylene-2-deoxycytidine 5'-Diphosphate: A Paradigm for Nucleotide Mechanism-Based Inhibitors. <i>Biochemistry</i> , 1996, 35, 8381-8391.	1.2	67
67	Solution Structure of Co(III)-Bleomycin-OOH Bound to a Phosphoglycolate Lesion Containing Oligonucleotide: Implications for Bleomycin-Induced Double-Strand DNA Cleavage. <i>Biochemistry</i> , 2001, 40, 5894-5905.	1.2	67
68	Reactions Catalyzed by 5-Aminoimidazole Ribonucleotide Carboxylases from <i>Escherichia coli</i> and <i>Gallus gallus</i> : A Case for Divergent Catalytic Mechanisms?. <i>Biochemistry</i> , 1994, 33, 11927-11934.	1.2	66
69	[20] Use of rapid kinetics methods to study the assembly of the diferric-tyrosyl radical cofactor of <i>E. coli</i> ribonucleotide reductase. <i>Methods in Enzymology</i> , 1995, 258, 278-303.	0.4	65
70	Growth and Localization of Polyhydroxybutyrate Granules in <i>Ralstonia eutropha</i> . <i>Journal of Bacteriology</i> , 2012, 194, 1092-1099.	1.0	65
71	Hydrogen Bond Network between Amino Acid Radical Intermediates on the Proton-Coupled Electron Transfer Pathway of <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2015, 137, 289-298.	6.6	65
72	Mechanistic Studies of Semicarbazone Triapine Targeting Human Ribonucleotide Reductase in Vitro and in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 35768-35778.	1.6	64

#	ARTICLE	IF	CITATIONS
73	Radicals with a controlled lifestyle. <i>Chemical Communications</i> , 2003, , 2511.	2.2	63
74	NrdI, a flavodoxin involved in maintenance of the diferric-tyrosyl radical cofactor in <i>Escherichia coli</i> class Ib ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14383-14388.	3.3	63
75	Circular Dichroism and Magnetic Circular Dichroism Studies of the Fully Reduced Binuclear Non-Heme Iron Active Site in the <i>Escherichia coli</i> R2 Subunit of Ribonucleoside Diphosphate Reductase. <i>Journal of the American Chemical Society</i> , 1995, 117, 12664-12678.	6.6	62
76	Analysis of Transient Polyhydroxybutyrate Production in <i>Wautersia eutropha</i> H16 by Quantitative Western Analysis and Transmission Electron Microscopy. <i>Journal of Bacteriology</i> , 2005, 187, 3825-3832.	1.0	62
77	Kinetics of Radical Intermediate Formation and Deoxynucleotide Production in 3-Aminotyrosine-Substituted <i>Escherichia coli</i> Ribonucleotide Reductases. <i>Journal of the American Chemical Society</i> , 2011, 133, 9430-9440.	6.6	62
78	Clofarabine 5 α -di and -triphosphates inhibit human ribonucleotide reductase by altering the quaternary structure of its large subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9815-9820.	3.3	62
79	Products of the inactivation of ribonucleoside diphosphate reductase from <i>Escherichia coli</i> with 2'-azido-2'-deoxyuridine 5'-diphosphate. <i>Biochemistry</i> , 1987, 26, 3408-3416.	1.2	61
80	Equilibration of Tyrosyl Radicals (Y ₃₅₆ [•] , Y ₇₃₁ [•]), Tj ETQq0 0 0 rgBT /Overlock Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2011, 133, 18420-18432.	6.6	61
81	Pulsed ELDOR Spectroscopy Measures the Distance between the Two Tyrosyl Radicals in the R2 Subunit of the <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2003, 125, 14988-14989.	6.6	60
82	2,3-Difluorotyrosine at Position 356 of Ribonucleotide Reductase R2: A Probe of Long-Range Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2003, 125, 10506-10507.	6.6	60
83	Tangled Up in Knots: Structures of Inactivated Forms of <i>E. coli</i> Class Ia Ribonucleotide Reductase. <i>Structure</i> , 2012, 20, 1374-1383.	1.6	60
84	Bleomycins: new methods will allow reinvestigation of old issues. <i>Current Opinion in Chemical Biology</i> , 2004, 8, 175-181.	2.8	59
85	X-ray Crystal Structure of Glycinamide Ribonucleotide Synthetase from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1998, 37, 15647-15662.	1.2	57
86	Site-specific incorporation of fluorotyrosines into the R2 subunit of <i>E. coli</i> ribonucleotide reductase by expressed protein ligation. <i>Nature Protocols</i> , 2007, 2, 1225-1235.	5.5	56
87	A Hot Oxidant, 3-NO ₂ Y ₁₂₂ Radical, Unmasks Conformational Gating in Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2010, 132, 15368-15379.	6.6	56
88	Structure of the Nucleotide Radical Formed during Reaction of CDP/TTP with the E441Q- $\hat{1}\pm 2\hat{1}^2$ of <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2009, 131, 200-211.	6.6	55
89	Function of the Diiron Cluster of <i>Escherichia coli</i> Class Ia Ribonucleotide Reductase in Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2013, 135, 8585-8593.	6.6	55
90	YfaE, a Ferredoxin Involved in Diferric-Tyrosyl Radical Maintenance in <i>Escherichia coli</i> Ribonucleotide Reductase. <i>Biochemistry</i> , 2007, 46, 11577-11588.	1.2	54

#	ARTICLE	IF	CITATIONS
91	A Systematic Evaluation of the Bleomycin A2 I-Threonine Side Chain: Its Role in Preorganization of a Compact Conformation Implicated in Sequence-Selective DNA Cleavage. <i>Journal of the American Chemical Society</i> , 1998, 120, 9139-9148.	6.6	53
92	High-Frequency (140-GHz) Time Domain EPR and ENDOR Spectroscopy: The Tyrosyl Radical of Iron Cofactor in Ribonucleotide Reductase from Yeast. <i>Journal of the American Chemical Society</i> , 2001, 123, 3569-3576.	6.6	53
93	Photo-ribonucleotide reductase by selective cysteine labeling with a radical phototrigger. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 39-43.	3.3	53
94	Three-Dimensional Structure of N5-Carboxyaminoimidazole Ribonucleotide Synthetase: A Member of the ATP Grasp Protein Superfamily. <i>Biochemistry</i> , 1999, 38, 15480-15492.	1.2	52
95	Turning on ribonucleotide reductase by light-initiated amino acid radical generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6882-6887.	3.3	52
96	<i>Bacillus subtilis</i> Class Ib Ribonucleotide Reductase Is a Dimanganese(III)-Tyrosyl Radical Enzyme. <i>Biochemistry</i> , 2011, 50, 5615-5623.	1.2	52
97	Insight into the Mechanism of Inactivation of Ribonucleotide Reductase by Gemcitabine 5'-Diphosphate in the Presence or Absence of Reductant. <i>Biochemistry</i> , 2009, 48, 11622-11629.	1.2	51
98	Characterization of a Substrate-Derived Radical Detected during the Inactivation of Ribonucleotide Reductase from <i>Escherichia coli</i> by 2-Fluoromethylene-2-deoxycytidine 5'-Diphosphate. <i>Journal of the American Chemical Society</i> , 1998, 120, 3823-3835.	6.6	50
99	Crystal structure of <i>Escherichia coli</i> PurE, an unusual mutase in the purine biosynthetic pathway. <i>Structure</i> , 1999, 7, 1395-1406.	1.6	50
100	Direct Observation of a Transient Tyrosine Radical Competent for Initiating Turnover in a Photochemical Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2007, 129, 13828-13830.	6.6	50
101	ENDOR Spectroscopy and DFT Calculations: Evidence for the Hydrogen-Bond Network Within ± 2 in the PCET of <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2012, 134, 17661-17670.	6.6	50
102	Genetic Characterization and Role in Virulence of the Ribonucleotide Reductases of <i>Streptococcus sanguinis</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 6273-6287.	1.6	50
103	Structure of the Nitrogen-Centered Radical Formed during Inactivation of <i>E. coli</i> Ribonucleotide Reductase by 2-Azido-2-deoxyuridine-5'-diphosphate: Trapping of the 3'-Ketonucleotide. <i>Journal of the American Chemical Society</i> , 2005, 127, 7729-7738.	6.6	49
104	Electron Transfer Reactions of Fluorotyrosyl Radicals. <i>Journal of the American Chemical Society</i> , 2006, 128, 13654-13655.	6.6	49
105	Inorganic pyrophosphate is released from 2'-chloro-2'-deoxyuridine 5'-diphosphate by ribonucleoside diphosphate reductase. <i>Journal of the American Chemical Society</i> , 1980, 102, 2505-2507.	6.6	48
106	Ribonucleotide Reductases. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2006, 63, 349-419.	1.3	48
107	Mechanism of Inactivation of Human Ribonucleotide Reductase with p53R2 by Gemcitabine 5'-Diphosphate. <i>Biochemistry</i> , 2009, 48, 11612-11621.	1.2	47
108	Investigation of in Vivo Diferric Tyrosyl Radical Formation in <i>Saccharomyces cerevisiae</i> Rnr2 Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 41499-41509.	1.6	46

#	ARTICLE	IF	CITATIONS
109	Clofarabine Targets the Large Subunit ($\hat{\pm}$) of Human Ribonucleotide Reductase in Live Cells by Assembly into Persistent Hexamers. <i>Chemistry and Biology</i> , 2012, 19, 799-805.	6.2	45
110	<i>Streptococcus sanguinis</i> Class Ib Ribonucleotide Reductase. <i>Journal of Biological Chemistry</i> , 2014, 289, 6259-6272.	1.6	45
111	Allosteric Inhibition of Human Ribonucleotide Reductase by dATP Entails the Stabilization of a Hexamer. <i>Biochemistry</i> , 2016, 55, 373-381.	1.2	45
112	Mechanistic Investigations of Ribonucleotide Reductases. , 1999, , 163-203.		44
113	Photoactive Peptides for Light-Initiated Tyrosyl Radical Generation and Transport into Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2007, 129, 8500-8509.	6.6	44
114	Generation of a stable, aminotyrosyl radical-induced $\hat{\pm}2\hat{2}$ complex of <i>Escherichia coli</i> class Ia ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3835-3840.	3.3	44
115	Mechanism of inactivation of <i>Escherichia coli</i> ribonucleotide reductase by 2'-chloro-2'-deoxyuridine 5'-diphosphate: evidence for generation of a 2'-deoxy-3'-ketonucleotide via a net 1,2 hydrogen shift. <i>Biochemistry</i> , 1985, 24, 7214-7221.	1.2	43
116	Evidence for the Direct Transfer of the Carboxylate of N5-Carboxyaminoimidazole Ribonucleotide (N5-CAIR) To Generate 4-Carboxy-5-aminoimidazole Ribonucleotide Catalyzed by <i>Escherichia coli</i> PurE, an N5-CAIR Mutase. <i>Biochemistry</i> , 1999, 38, 3012-3018.	1.2	43
117	Structures of the Yeast Ribonucleotide Reductase Rnr2 and Rnr4 Homodimers. <i>Biochemistry</i> , 2004, 43, 7736-7742.	1.2	43
118	pH dependence of charge transfer between tryptophan and tyrosine in dipeptides. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1706, 232-238.	0.5	43
119	Biophysical Characterization of Fluorotyrosine Probes Site-Specifically Incorporated into Enzymes: <i>E. coli</i> Ribonucleotide Reductase As an Example. <i>Journal of the American Chemical Society</i> , 2016, 138, 7951-7964.	6.6	43
120	Definition of the Effect and Role of the Bleomycin A2 Valerate Substituents: Preorganization of a Rigid, Compact Conformation Implicated in Sequence-Selective DNA Cleavage. <i>Journal of the American Chemical Society</i> , 1998, 120, 9149-9158.	6.6	42
121	Site-Specific Replacement of a Conserved Tyrosine in Ribonucleotide Reductase with an Aniline Amino Acid: A Mechanistic Probe for a Redox-Active Tyrosine. <i>Journal of the American Chemical Society</i> , 2004, 126, 16702-16703.	6.6	41
122	Nuclear localization of the <i>Saccharomyces cerevisiae</i> ribonucleotide reductase small subunit requires a karyopherin and a WD40 repeat protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1422-1427.	3.3	41
123	Deciphering Radical Transport in the Large Subunit of Class I Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2012, 134, 1172-1180.	6.6	40
124	Conserved electron donor complex Dre2 $\hat{\pm}$ Tah18 is required for ribonucleotide reductase metallocofactor assembly and DNA synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1695-704.	3.3	40
125	Identification of Protonated Oxygenic Ligands of Ribonucleotide Reductase Intermediate X. <i>Journal of the American Chemical Society</i> , 2009, 131, 3370-3376.	6.6	39
126	Radical transfer in <i>E. coli</i> ribonucleotide reductase: a NH ₂ Y ₇₃₁ R ₄₁₁ A $\hat{\pm}$ mutant unmasks a new conformation of the pathway residue 731. <i>Chemical Science</i> , 2016, 7, 2170-2178.	3.7	38

#	ARTICLE	IF	CITATIONS
127	3.3-Å... resolution cryo-EM structure of human ribonucleotide reductase with substrate and allosteric regulators bound. <i>ELife</i> , 2018, 7, .	2.8	37
128	Choosing the Right Metal: Case Studies of Class I Ribonucleotide Reductases. <i>Journal of Biological Chemistry</i> , 2014, 289, 28104-28111.	1.6	36
129	Conformationally Dynamic Radical Transfer within Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2017, 139, 16657-16665.	6.6	36
130	Protein Radicals in Enzyme Catalysis. [<i>Chem. Rev.</i> 1998, 98, 705-762. <i>Chemical Reviews</i> , 1998, 98, 2661-2662.	23.0	35
131	Forward and Reverse Electron Transfer with the Y356DOPA-Î22 Heterodimer of <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2007, 129, 2226-2227.	6.6	35
132	Purification of Polyhydroxybutyrate Synthase from Its Native Organism, <i>Ralstonia eutropha</i> : Implications for the Initiation and Elongation of Polymer Formation in Vivo. <i>Biochemistry</i> , 2012, 51, 2276-2288.	1.2	35
133	Importance of the Maintenance Pathway in the Regulation of the Activity of <i>Escherichia coli</i> Ribonucleotide Reductase. <i>Biochemistry</i> , 2008, 47, 3989-3999.	1.2	34
134	Formal Reduction Potentials of Difluorotyrosine and Trifluorotyrosine Protein Residues: Defining the Thermodynamics of Multistep Radical Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 2994-3004.	6.6	34
135	The Active Form of the <i>Saccharomyces cerevisiae</i> Ribonucleotide Reductase Small Subunit Is a Heterodimer in Vitro and in Vivo. <i>Biochemistry</i> , 2005, 44, 15366-15377.	1.2	33
136	Detection of Intermediates from the Polymerization Reaction Catalyzed by a D302A Mutant of Class III Polyhydroxyalkanoate (PHA) Synthase. <i>Biochemistry</i> , 2005, 44, 1495-1503.	1.2	33
137	Kinetics of Hydrogen Atom Abstraction from Substrate by an Active Site Thyl Radical in Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2014, 136, 16210-16216.	6.6	32
138	Class III Polyhydroxybutyrate Synthase: Involvement in Chain Termination and Reinitiation. <i>Biochemistry</i> , 2005, 44, 8369-8377.	1.2	31
139	In Vitro Analysis of the Chain Termination Reaction in the Synthesis of Poly-(R)-Î2-hydroxybutyrate by the Class III Synthase from <i>Allochromatium vinosum</i> . <i>Biomacromolecules</i> , 2005, 6, 2113-2119.	2.6	30
140	The Dimanganese(II) Site of <i>Bacillus subtilis</i> Class Ib Ribonucleotide Reductase. <i>Biochemistry</i> , 2012, 51, 3861-3871.	1.2	30
141	A Chemically Competent Thiosulfuranyl Radical on the <i>Escherichia coli</i> Class III Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2014, 136, 9001-9013.	6.6	30
142	Direct EPR Spectroscopic Evidence for an Allylic Radical Generated from (E)-2-Fluoromethylene-2-deoxycytidine 5-Diphosphate by <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 1998, 120, 4252-4253.	6.6	29
143	Class II Ribonucleotide Reductases Catalyze Carbon-Cobalt Bond Reformation on Every Turnover. <i>Journal of the American Chemical Society</i> , 1999, 121, 7463-7468.	6.6	29
144	The Formylglycinamide Ribonucleotide Amidotransferase Complex from <i>Bacillus subtilis</i> : A Metabolite-Mediated Complex Formation. <i>Biochemistry</i> , 2004, 43, 10314-10327.	1.2	29

#	ARTICLE	IF	CITATIONS
145	Charge-Transfer Dynamics at the \hat{I}^{\pm}/\hat{I}^2 Subunit Interface of a Photochemical Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2016, 138, 1196-1205.	6.6	28
146	Formal Reduction Potential of 3,5-Difluorotyrosine in a Structured Protein: Insight into Multistep Radical Transfer. <i>Biochemistry</i> , 2013, 52, 8907-8915.	1.2	27
147	A >200 meV Uphill Thermodynamic Landscape for Radical Transport in <i>Escherichia coli</i> Ribonucleotide Reductase Determined Using Fluorotyrosine-Substituted Enzymes. <i>Journal of the American Chemical Society</i> , 2016, 138, 13706-13716.	6.6	27
148	Spectroscopic Evidence for a H Bond Network at Y ₃₅₆ Located at the Subunit Interface of Active <i>E. coli</i> Ribonucleotide Reductase. <i>Biochemistry</i> , 2017, 56, 3647-3656.	1.2	27
149	Convergent allostery in ribonucleotide reductase. <i>Nature Communications</i> , 2019, 10, 2653.	5.8	27
150	A Model for the <i>Bacillus subtilis</i> Formylglycinamide Ribonucleotide Amidotransferase Multiprotein Complex. <i>Biochemistry</i> , 2004, 43, 10343-10352.	1.2	26
151	Complexed Structures of Formylglycinamide Ribonucleotide Amidotransferase from <i>Thermotoga maritima</i> Describe a Novel ATP Binding Protein Superfamily. <i>Biochemistry</i> , 2006, 45, 14880-14895.	1.2	26
152	Redox-Linked Changes to the Hydrogen-Bonding Network of Ribonucleotide Reductase \hat{I}^2 . <i>Journal of the American Chemical Society</i> , 2013, 135, 6380-6383.	6.6	26
153	Glutamate 52- \hat{I}^2 at the \hat{I}^{\pm}/\hat{I}^2 subunit interface of <i>Escherichia coli</i> class Ia ribonucleotide reductase is essential for conformational gating of radical transfer. <i>Journal of Biological Chemistry</i> , 2017, 292, 9229-9239.	1.6	26
154	Structural Examination of the Transient 3-Aminotyrosyl Radical on the PCET Pathway of <i>E. coli</i> Ribonucleotide Reductase by Multifrequency EPR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 15729-15738.	6.6	25
155	Gemcitabine 5'-Triphosphate Is a Stoichiometric Mechanism-Based Inhibitor of <i>Lactobacillus leichmannii</i> Ribonucleoside Triphosphate Reductase: Evidence for Thyl Radical-Mediated Nucleotide Radical Formation. <i>Biochemistry</i> , 1998, 37, 5528-5535.	1.2	24
156	The class III ribonucleotide reductase from <i>Neisseria bacilliformis</i> can utilize thioredoxin as a reductant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3756-65.	3.3	24
157	Controlling radical reactions. <i>Nature</i> , 1994, 370, 502-502.	13.7	23
158	Determination of the in Vivo Stoichiometry of Tyrosyl Radical per \hat{I}^2 in <i>Saccharomyces cerevisiae</i> Ribonucleotide Reductase. <i>Biochemistry</i> , 2006, 45, 12282-12294.	1.2	23
159	Radicals in Biology: Your Life Is in Their Hands. <i>Journal of the American Chemical Society</i> , 2021, 143, 13463-13472.	6.6	23
160	Control of metallation and active cofactor assembly in the class Ia and Ib ribonucleotide reductases: diiron or dimanganese?. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 284-290.	2.8	22
161	Reverse Electron Transfer Completes the Catalytic Cycle in a 2,3,5-Trifluorotyrosine-Substituted Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2015, 137, 14387-14395.	6.6	22
162	Use of 3-Aminotyrosine To Examine the Pathway Dependence of Radical Propagation in <i>Escherichia coli</i> Ribonucleotide Reductase. <i>Biochemistry</i> , 2009, 48, 12125-12132.	1.2	21

#	ARTICLE	IF	CITATIONS
163	Conformational Motions and Water Networks at the $\hat{1}\pm/\hat{1}^2$ Interface in <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2020, 142, 13768-13778.	6.6	21
164	Generation of a Tryptophan Radical in High Quantum Yield from a Novel Amino Acid Analog Using Near-UV/Visible Light. <i>Journal of the American Chemical Society</i> , 1997, 119, 6457-6460.	6.6	20
165	Composition and Structure of the Inorganic Core of Relaxed Intermediate X (Y122F) of <i>Escherichia coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2015, 137, 15558-15566.	6.6	20
166	Detection of Covalent and Noncovalent Intermediates in the Polymerization Reaction Catalyzed by a C149S Class III Polyhydroxybutyrate Synthase. <i>Biochemistry</i> , 2009, 48, 9202-9211.	1.2	19
167	Glutamate 350 Plays an Essential Role in Conformational Gating of Long-Range Radical Transport in <i>Escherichia coli</i> Class Ia Ribonucleotide Reductase. <i>Biochemistry</i> , 2017, 56, 856-868.	1.2	19
168	The diferric-tyrosyl radical cluster of ribonucleotide reductase and cytosolic iron-sulfur clusters have distinct and similar biogenesis requirements. <i>Journal of Biological Chemistry</i> , 2017, 292, 11445-11451.	1.6	19
169	Solution structure of the hydroperoxide of Co(III) phleomycin complexed with d(CCAGGCCTGG) ₂ : evidence for binding by partial intercalation. <i>Nucleic Acids Research</i> , 2002, 30, 4881-4891.	6.5	18
170	A Ferredoxin Disulfide Reductase Delivers Electrons to the <i>Methanosarcina barkeri</i> Class III Ribonucleotide Reductase. <i>Biochemistry</i> , 2015, 54, 7019-7028.	1.2	18
171	An endogenous dAMP ligand in <i>Bacillus subtilis</i> class Ib RNR promotes assembly of a noncanonical dimer for regulation by dATP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4594-E4603.	3.3	18
172	Detection of Water Molecules on the Radical Transfer Pathway of Ribonucleotide Reductase by ¹⁷ O Electron-Nuclear Double Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021, 143, 7237-7241.	6.6	18
173	Modulation of Y ₃₅₆ Photooxidation in <i>E. coli</i> Class Ia Ribonucleotide Reductase by Y ₇₃₁ Across the $\hat{1}\pm/\hat{1}^2$ Interface. <i>Journal of the American Chemical Society</i> , 2013, 135, 13250-13253.	6.6	16
174	Chemistry with an Artificial Primer of Polyhydroxybutyrate Synthase Suggests a Mechanism for Chain Termination. <i>Biochemistry</i> , 2015, 54, 2117-2125.	1.2	16
175	Re(bpy)(CO) ₃ CN as a Probe of Conformational Flexibility in a Photochemical Ribonucleotide Reductase. <i>Biochemistry</i> , 2009, 48, 5832-5838.	1.2	15
176	<i>Bacillus subtilis</i> Class Ib Ribonucleotide Reductase: High Activity and Dynamic Subunit Interactions. <i>Biochemistry</i> , 2014, 53, 766-776.	1.2	15
177	Methodology To Probe Subunit Interactions in Ribonucleotide Reductases. <i>Biochemistry</i> , 2008, 47, 13046-13055.	1.2	14
178	Photochemical Generation of a Tryptophan Radical within the Subunit Interface of Ribonucleotide Reductase. <i>Biochemistry</i> , 2016, 55, 3234-3240.	1.2	14
179	Gated Proton Release during Radical Transfer at the Subunit Interface of Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2021, 143, 176-183.	6.6	14
180	The Two Faces of SAM. <i>Science</i> , 2011, 332, 544-545.	6.0	13

#	ARTICLE	IF	CITATIONS
181	Properties of Site-Specifically Incorporated 3-Aminotyrosine in Proteins To Study Redox-Active Tyrosines: <i>Escherichia coli</i> Ribonucleotide Reductase as a Paradigm. <i>Biochemistry</i> , 2018, 57, 3402-3415.	1.2	12
182	¹⁹ F Electron-Nuclear Double Resonance Reveals Interaction between Redox-Active Tyrosines across the $\hat{1}\hat{2}$ Interface of <i>E. coli</i> Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2022, 144, 11270-11282.	6.6	12
183	Use of 2,3,5-F ₃ Y $\hat{1}\hat{2}$ and 3-NH ₂ Y $\hat{1}\hat{2}$ To Study Proton-Coupled Electron Transfer in <i>Escherichia coli</i> Ribonucleotide Reductase. <i>Biochemistry</i> , 2011, 50, 1403-1411.	1.2	11
184	Photochemical Rescue of a Conformationally Inactivated Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2018, 140, 15744-15752.	6.6	11
185	Selenocysteine Substitution in a Class I Ribonucleotide Reductase. <i>Biochemistry</i> , 2019, 58, 5074-5084.	1.2	11
186	Chapter 3 Replacement of Y730 and Y731 in the $\hat{1}\hat{2}$ Subunit of <i>Escherichia coli</i> Ribonucleotide Reductase with 3-aminotyrosine using an Evolved Suppressor tRNA/tRNA ^{Synthetase} Pair. <i>Methods in Enzymology</i> , 2009, 462, 45-76.	0.4	10
187	Mechanistic Insight with HBCH ₂ CoA as a Probe to Polyhydroxybutyrate (PHB) Synthases. <i>ACS Chemical Biology</i> , 2014, 9, 1773-1779.	1.6	10
188	Modulation of Phenol Oxidation in Cofacial Dyads. <i>Journal of the American Chemical Society</i> , 2015, 137, 11860-11863.	6.6	10
189	PET Polymer Recycling. <i>Biochemistry</i> , 2020, 59, 2316-2318.	1.2	10
190	Subunit Interaction Dynamics of Class Ia Ribonucleotide Reductases: In Search of a Robust Assay. <i>Biochemistry</i> , 2020, 59, 1442-1453.	1.2	10
191	Investigation of in Vivo Roles of the C-terminal Tails of the Small Subunit ($\hat{1}\hat{2}$) of <i>Saccharomyces cerevisiae</i> Ribonucleotide Reductase. <i>Journal of Biological Chemistry</i> , 2013, 288, 13951-13959.	1.6	9
192	Direct interfacial Y ₇₃₁ oxidation in $\hat{1}\hat{2}$ by a photo $\hat{2}$ subunit of <i>E. coli</i> class Ia ribonucleotide reductase. <i>Chemical Science</i> , 2015, 6, 4519-4524.	3.7	8
193	Statistical analysis of ENDOR spectra. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
194	Ribonucleotide reductase, a novel drug target for gonorrhoea. <i>ELife</i> , 2022, 11, .	2.8	8
195	Inactivation of <i>Lactobacillus leichmannii</i> Ribonucleotide Reductase by 2,2-Difluoro-2-deoxycytidine 5-Triphosphate: Adenosylcobalamin Destruction and Formation of a Nucleotide-Based Radical. <i>Biochemistry</i> , 2010, 49, 1396-1403.	1.2	7
196	Discovery of a New Class I Ribonucleotide Reductase with an Essential DOPA Radical and NO Metal as an Initiator of Long-Range Radical Transfer. <i>Biochemistry</i> , 2019, 58, 435-437.	1.2	7
197	Mechanistic analyses of site-specific degradation in DNA-RNA hybrids by prototypic DNA cleavers. <i>Nucleic Acids Research</i> , 1997, 25, 1836-1845.	6.5	6
198	Effects of hypoxanthine substitution on bleomycin-mediated DNA strand degradation in DNA-RNA hybrids. <i>Nucleic Acids Research</i> , 1997, 25, 1846-1853.	6.5	6

#	ARTICLE	IF	CITATIONS
199	Nanosecond Generation of Tyrosyl Radicals via Laser-Initiated Decaging of Oxalate-Modified Amino Acids. <i>Journal of Organic Chemistry</i> , 2002, 67, 6820-6822.	1.7	6
200	Basis of dATP inhibition of RNRs. <i>Journal of Biological Chemistry</i> , 2018, 293, 10413-10414.	1.6	6
201	Design of a Fluoro-olefin Cytidine Nucleoside as a Bioprecursor of a Mechanism-Based Inhibitor of Ribonucleotide Reductase. <i>ACS Symposium Series</i> , 1996, , 246-264.	0.5	5
202	Mapping the subunit interface of ribonucleotide reductase (RNR) using photo cross-linking. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5923-5925.	1.0	4
203	Clarity through structures. <i>Current Opinion in Structural Biology</i> , 2000, 10, 709-710.	2.6	3
204	Radical Initiation in the Class I Ribonucleotide Reductase: Long-Range Proton-Coupled Electron Transfer?. <i>ChemInform</i> , 2003, 34, no.	0.1	2
205	Unnatural amino acids: better than the real things?. <i>F1000 Biology Reports</i> , 2009, 1, 88.	4.0	2
206	Structure Determination by Combination of CW and Pulsed '2-D' Orientation-Selective 1,2H Q-Band Electron-Nuclear Double Resonance. <i>ACS Symposium Series</i> , 1998, , 2-15.	0.5	1
207	Models of transition. <i>Nature</i> , 2007, 448, 762-763.	13.7	1
208	Christian R. Raetz (1946–2011). <i>ACS Chemical Biology</i> , 2012, 7, 12-13.	1.6	1
209	Catalysis and regulation. <i>Current Opinion in Structural Biology</i> , 1996, 6, 733-735.	2.6	0
210	Polyhydroxyalkanoate (PHA) Homeostasis: The Role of the PHA Synthase. <i>ChemInform</i> , 2003, 34, no.	0.1	0
211	Polyhydroxybutyrate (PHB) Synthases (PhaC): Toward understanding elongation granule formation and chain termination.. <i>FASEB Journal</i> , 2006, 20, A888.	0.2	0
212	Radicals: Your life is in their hands. <i>FASEB Journal</i> , 2013, 27, 337.3.	0.2	0
213	CONTROLLED RADICAL REACTIONS IN BIOLOGY AND THE IMPORTANCE OF METALLO-COFACTOR BIOSYNTHESIS. , 2014, , .		0
214	Probing Conformational Change During Radical Propagation in the E.coli Class 1a RNR Using 3-aminotyrosine as a Radical Sink. <i>FASEB Journal</i> , 2015, 29, 572.10.	0.2	0
215	Quaternary Structure and Activity Modulation in Human Ribonucleotide Reductase. <i>FASEB Journal</i> , 2015, 29, 360.1.	0.2	0
216	BIOLOGICAL CATALYSIS: UNDERSTANDING RATE ACCELERATIONS IN ENZYMATIC REACTIONS. , 2018, , .		0