

Giovanni Gadda

List of Publications by Year in descending order

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126907

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125
all docs

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docs citations

125
times ranked

2609
citing authors

#	ARTICLE	IF	CITATIONS
1	Same Substrate, Many Reactions: Oxygen Activation in Flavoenzymes. <i>Chemical Reviews</i> , 2018, 118, 1742-1769.	47.7	306
2	On the Catalytic Mechanism of Choline Oxidase. <i>Journal of the American Chemical Society</i> , 2005, 127, 2067-2074.	13.7	115
3	Oxygen Activation in Flavoprotein Oxidases: The Importance of Being Positive. <i>Biochemistry</i> , 2012, 51, 2662-2669.	2.5	103
4	Design and application of a class of sensors to monitor Ca ²⁺ dynamics in high Ca ²⁺ concentration cellular compartments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16265-16270.	7.1	96
5	On the Catalytic Role of the Conserved Active Site Residue His466 of Choline Oxidase. <i>Biochemistry</i> , 2005, 44, 893-904.	2.5	83
6	Role of Glu312 in Binding and Positioning of the Substrate for the Hydride Transfer Reaction in Choline Oxidase. <i>Biochemistry</i> , 2008, 47, 243-256.	2.5	82
7	Hydride Transfer Made Easy in the Reaction of Alcohol Oxidation Catalyzed by Flavin-dependent Oxidases. <i>Biochemistry</i> , 2008, 47, 13745-13753.	2.5	77
8	Nitronate monooxygenase, a model for anionic flavin semiquinone intermediates in oxidative catalysis. <i>Archives of Biochemistry and Biophysics</i> , 2010, 493, 53-61.	3.0	70
9	Characterization of Cholesterol Oxidase from <i>Streptomyces hygroscopicus</i> and <i>Brevibacterium sterolicum</i> . <i>FEBS Journal</i> , 1997, 250, 369-376.	0.2	68
10	Cloning, sequence analysis, and purification of choline oxidase from <i>Arthrobacter globiformis</i> : a bacterial enzyme involved in osmotic stress tolerance. <i>Archives of Biochemistry and Biophysics</i> , 2004, 421, 149-158.	3.0	67
11	The biochemistry of the metabolic poison propionate 3-nitronate and its conjugate acid, 3-nitropropionate. <i>IUBMB Life</i> , 2013, 65, 759-768.	3.4	61
12	Identification of the Naturally Occurring Flavin of Nitroalkane Oxidase from <i>Fusarium oxysporum</i> as a 5-Nitrobutyl-FAD and Conversion of the Enzyme to the Active FAD-containing Form. <i>Journal of Biological Chemistry</i> , 1997, 272, 5563-5570.	3.4	56
13	Crystallographic, Spectroscopic, and Computational Analysis of a Flavin C4a-Oxygen Adduct in Choline Oxidase. <i>Biochemistry</i> , 2009, 48, 720-728.	2.5	55
14	Spectroscopic and Kinetic Properties of Recombinant Choline Oxidase from <i>Arthrobacter globiformis</i> . <i>Biochemistry</i> , 2003, 42, 15179-15188.	2.5	54
15	The COMBEX Project: Design, Methodology, and Initial Results. <i>PLoS Biology</i> , 2013, 11, e1001638.	5.6	54
16	Oxygen- and Temperature-Dependent Kinetic Isotope Effects in Choline Oxidase: Correlating Reversible Hydride Transfer with Environmentally Enhanced Tunneling. <i>Journal of the American Chemical Society</i> , 2005, 127, 17954-17961.	13.7	50
17	Kinetic Solvent Viscosity Effects as Probes for Studying the Mechanisms of Enzyme Action. <i>Biochemistry</i> , 2018, 57, 3445-3453.	2.5	50
18	Biochemical and Physical Characterization of the Active FAD-Containing Form of Nitroalkane Oxidase from <i>Fusarium oxysporum</i> . <i>Biochemistry</i> , 1998, 37, 6154-6164.	2.5	49

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19	Effects of Reversing the Protein Positive Charge in the Proximity of the Flavin N(1) Locus of Choline Oxidase. <i>Biochemistry</i> , 2006, 45, 3437-3447.	2.5	49
20	Cloning, Expression, and Purification of Choline Dehydrogenase from the Moderate Halophile <i>Halomonas elongata</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 2126-2132.	3.1	48
21	Developing Sensors for Real-Time Measurement of High Ca ²⁺ Concentrations. <i>Biochemistry</i> , 2007, 46, 12275-12288.	2.5	45
22	Mechanistic Studies of Choline Oxidase with Betaine Aldehyde and Its Isosteric Analogue 3,3-Dimethylbutyraldehyde. <i>Biochemistry</i> , 2006, 45, 1979-1986.	2.5	44
23	Kinetic mechanism of choline oxidase from <i>Arthrobacter globiformis</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1646, 112-118.	2.3	42
24	Involvement of a Flavosemiquinone in the Enzymatic Oxidation of Nitroalkanes Catalyzed by 2-Nitropropane Dioxygenase. <i>Journal of Biological Chemistry</i> , 2005, 280, 5195-5204.	3.4	42
25	The trimethylammonium headgroup of choline is a major determinant for substrate binding and specificity in choline oxidase. <i>Archives of Biochemistry and Biophysics</i> , 2004, 430, 264-273.	3.0	39
26	Human choline dehydrogenase: Medical promises and biochemical challenges. <i>Archives of Biochemistry and Biophysics</i> , 2013, 537, 243-252.	3.0	39
27	Substrate Specificity of a Nitroalkane-Oxidizing Enzyme. <i>Archives of Biochemistry and Biophysics</i> , 1999, 363, 309-313.	3.0	38
28	pH and deuterium kinetic isotope effects studies on the oxidation of choline to betaine-aldehyde catalyzed by choline oxidase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1650, 4-9.	2.3	38
29	Alcohol oxidation by flavoenzymes. <i>Biomolecular Concepts</i> , 2014, 5, 299-318.	2.2	37
30	Cloning of nitroalkane oxidase from <i>Fusarium oxysporum</i> identifies a new member of the acyl-CoA dehydrogenase superfamily. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2702-2707.	7.1	36
31	On the Role of Histidine 351 in the Reaction of Alcohol Oxidation Catalyzed by Choline Oxidase. <i>Biochemistry</i> , 2008, 47, 6762-6769.	2.5	35
32	Role of Valine 464 in the Flavin Oxidation Reaction Catalyzed by Choline Oxidase. <i>Biochemistry</i> , 2010, 49, 2952-2961.	2.5	35
33	An Internal Equilibrium Preorganizes the Enzyme-Substrate Complex for Hydride Tunneling in Choline Oxidase. <i>Biochemistry</i> , 2007, 46, 6402-6408.	2.5	34
34	Pathway of Glycine Betaine Biosynthesis in <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2013, 12, 853-863.	3.4	33
35	The Combined Structural and Kinetic Characterization of a Bacterial Nitronate Monooxygenase from <i>Pseudomonas aeruginosa</i> PAO1 Establishes NMO Class I and II. <i>Journal of Biological Chemistry</i> , 2014, 289, 23764-23775.	3.4	32
36	Structure of choline oxidase in complex with the reaction product glycine betaine. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 405-413.	2.5	32

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37	Use of pH and Kinetic Isotope Effects to Dissect the Effects of Substrate Size on Binding and Catalysis by Nitroalkane Oxidase. Archives of Biochemistry and Biophysics, 2000, 382, 138-144.	3.0	31
38	The Chemistry of Escapin: Identification and Quantification of the Components in the Complex Mixture Generated by an <i>L</i> -Amino Acid Oxidase in the Defensive Secretion of the Sea Snail <i>Aplysia californica</i> . Chemistry - A European Journal, 2009, 15, 1597-1603.	3.3	30
39	The Cluster of Hydrophobic Residues Controls the Entrance to the Active Site of Choline Oxidase. Biochemistry, 2009, 48, 9599-9605.	2.5	29
40	Designing Protease Sensors for Real-Time Imaging of Trypsin Activation in Pancreatic Cancer Cells. Biochemistry, 2009, 48, 3519-3526.	2.5	28
41	Mechanism of Nitroalkane Oxidase: 2. pH and Kinetic Isotope Effects. Biochemistry, 2000, 39, 1406-1410.	2.5	27
42	On the contribution of the positively charged headgroup of choline to substrate binding and catalysis in the reaction catalyzed by choline oxidase. Archives of Biochemistry and Biophysics, 2006, 451, 182-187.	3.0	27
43	Stabilization of an Intermediate in the Oxidative Half-Reaction of Human Liver Glycolate Oxidase. Biochemistry, 2011, 50, 1-3.	2.5	27
44	In vitro heme biotransformation by the HupZ enzyme from Group A streptococcus. BioMetals, 2016, 29, 593-609.	4.1	27
45	Conformational Changes and Substrate Recognition in <i>Pseudomonas aeruginosa</i> <i>d</i> -Arginine Dehydrogenase. Biochemistry, 2010, 49, 8535-8545.	2.5	26
46	Evidence for a Transient Peroxynitro Acid in the Reaction Catalyzed by Nitronate Monooxygenase with Propionate 3-Nitronate. Biochemistry, 2013, 52, 2694-2704.	2.5	26
47	Contribution of Flavin Covalent Linkage with Histidine 99 to the Reaction Catalyzed by Choline Oxidase. Journal of Biological Chemistry, 2009, 284, 16990-16997.	3.4	24
48	Structural and kinetic studies on the Ser101Ala variant of choline oxidase: Catalysis by compromise. Archives of Biochemistry and Biophysics, 2010, 501, 207-213.	3.0	24
49	Role of Asparagine 510 in the Relative Timing of Substrate Bond Cleavages in the Reaction Catalyzed by Choline Oxidase. Biochemistry, 2010, 49, 2483-2490.	2.5	23
50	Steady-State Kinetic Mechanism and Reductive Half-Reaction of <i>d</i> -Arginine Dehydrogenase from <i>Pseudomonas aeruginosa</i> . Biochemistry, 2010, 49, 9542-9550.	2.5	23
51	Enzyme-Mediated Conversion of Flavin Adenine Dinucleotide (FAD) to 8-Formyl FAD in Formate Oxidase Results in a Modified Cofactor with Enhanced Catalytic Properties. Biochemistry, 2017, 56, 3800-3807.	2.5	23
52	Iso-Mechanism of Nitroalkane Oxidase: 1. Inhibition Studies and Activation by Imidazole. Biochemistry, 2000, 39, 1400-1405.	2.5	22
53	Relative Timing of Hydrogen and Proton Transfers in the Reaction of Flavin Oxidation Catalyzed by Choline Oxidase. Biochemistry, 2013, 52, 1221-1226.	2.5	22
54	Insights on the Mechanism of Amine Oxidation Catalyzed by <i>d</i> -Arginine Dehydrogenase Through pH and Kinetic Isotope Effects. Journal of the American Chemical Society, 2011, 133, 18957-18965.	13.7	20

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55	Probing the Chemical Steps of Nitroalkane Oxidation Catalyzed by 2-Nitropropane Dioxygenase with Solvent Viscosity, pH, and Substrate Kinetic Isotope Effects. <i>Biochemistry</i> , 2006, 45, 13889-13898.	2.5	19
56	Mala s 12 is a major allergen in patients with atopic eczema and has sequence similarities to the GMC oxidoreductase family. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2007, 62, 695-703.	5.7	19
57	Effect of a conservative mutation of an active site residue involved in substrate binding on the hydride tunneling reaction catalyzed by choline oxidase. <i>Archives of Biochemistry and Biophysics</i> , 2009, 489, 10-14.	3.0	19
58	Kinetics of heme transfer by the Shr NEAT domains of Group A Streptococcus. <i>Archives of Biochemistry and Biophysics</i> , 2013, 538, 71-79.	3.0	19
59	Fluorescence Properties of Flavin Semiquinone Radicals in Nitronate Monooxygenase. <i>ChemBioChem</i> , 2019, 20, 1646-1652.	2.6	19
60	Rapid subcellular calcium responses and dynamics by calcium sensor G-CatchER+. <i>IScience</i> , 2021, 24, 102129.	4.1	19
61	Oxidation of alkyl nitronates catalyzed by 2-nitropropane dioxygenase from <i>Hansenula mrakii</i> . <i>Archives of Biochemistry and Biophysics</i> , 2008, 473, 61-68.	3.0	18
62	A novel activity for fungal nitronate monooxygenase: Detoxification of the metabolic inhibitor propionate-3-nitronate. <i>Archives of Biochemistry and Biophysics</i> , 2012, 521, 84-89.	3.0	18
63	Identification of the Catalytic Base for Alcohol Activation in Choline Oxidase. <i>Biochemistry</i> , 2015, 54, 413-421.	2.5	18
64	Functional Annotation of a Presumed Nitronate Monooxygenase Reveals a New Class of NADH:Quinone Reductases. <i>Journal of Biological Chemistry</i> , 2016, 291, 21160-21170.	3.4	18
65	Importance of Loop L1 Dynamics for Substrate Capture and Catalysis in <i>Pseudomonas aeruginosa</i> Arginine Dehydrogenase. <i>Biochemistry</i> , 2017, 56, 2477-2487.	2.5	18
66	Substitution of an Active Site Valine Uncovers a Kinetically Slow Equilibrium between Competent and Incompetent Forms of Choline Oxidase. <i>Biochemistry</i> , 2008, 47, 13850-13861.	2.5	16
67	Involvement of Ionizable Groups in Catalysis of Human Liver Glycolate Oxidase. <i>Journal of Biological Chemistry</i> , 2009, 284, 31214-31222.	3.4	16
68	Solvent isotope and viscosity effects on the steady-state kinetics of the flavoprotein nitroalkane oxidase. <i>FEBS Letters</i> , 2013, 587, 2785-2789.	2.8	16
69	Photoirradiation Generates an Ultrastable 8-Formyl FAD Semiquinone Radical with Unusual Properties in Formate Oxidase. <i>Biochemistry</i> , 2018, 57, 5818-5826.	2.5	16
70	Identification of Lys116 as the target of N-ethylmaleimide inactivation of ferredoxin:NADP+ oxidoreductase. <i>FEBS Journal</i> , 1991, 198, 21-24.	0.2	15
71	Identification of Native Flavin Adducts from <i>Fusarium oxysporum</i> Using Accurate Mass Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 2862-2865.	6.5	15
72	Importance of a Serine Proximal to the C(4a) and N(5) Flavin Atoms for Hydride Transfer in Choline Oxidase. <i>Biochemistry</i> , 2011, 50, 770-779.	2.5	15

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73	Identification of an Essential Tyrosine Residue in Nitroalkane Oxidase by Modification with Tetranitromethane. <i>Biochemistry</i> , 2000, 39, 1162-1168.	2.5	14
74	The Nonoxidative Conversion of Nitroethane to Ethylnitronate in <i>Neurospora crassa</i> 2-Nitropropane Dioxygenase Is Catalyzed by Histidine 196. <i>Biochemistry</i> , 2008, 47, 9136-9144.	2.5	14
75	Mechanistic and Computational Studies of the Reductive Half-Reaction of Tyrosine to Phenylalanine Active Site Variants of <i>d</i> -Arginine Dehydrogenase. <i>Biochemistry</i> , 2014, 53, 6574-6583.	2.5	13
76	Mechanistic studies of formate oxidase from <i>Aspergillus oryzae</i> : A novel member of the glucose-Methanol-choline oxidoreductase enzyme superfamily that oxidizes carbon acids. <i>Archives of Biochemistry and Biophysics</i> , 2018, 643, 24-31.	3.0	13
77	Identification of a Cysteine Residue in the Active Site of Nitroalkane Oxidase by Modification with N-Ethylmaleimide. <i>Journal of Biological Chemistry</i> , 2000, 275, 31891-31895.	3.4	12
78	Solvent-Slaved Motions in the Hydride Tunneling Reaction Catalyzed by Human Glycolate Oxidase. <i>ACS Catalysis</i> , 2016, 6, 2113-2120.	11.2	12
79	Choline oxidases. <i>The Enzymes</i> , 2020, 47, 137-166.	1.7	12
80	Inflated Kinetic Isotope Effects in the Branched Mechanism of <i>Neurospora crassa</i> 2-Nitropropane Dioxygenase. <i>Biochemistry</i> , 2009, 48, 2403-2410.	2.5	10
81	Atomic-Resolution Structure of an N(5) Flavin Adduct in <i>d</i> -Arginine Dehydrogenase. <i>Biochemistry</i> , 2011, 50, 6292-6294.	2.5	10
82	Role of F357 as an Oxygen Gate in the Oxidative Half-Reaction of Choline Oxidase. <i>Biochemistry</i> , 2016, 55, 1473-1484.	2.5	10
83	Preclinical Development of a Nontoxic Oral Formulation of Monoethanolamine, a Lipid Precursor, for Prostate Cancer Treatment. <i>Clinical Cancer Research</i> , 2017, 23, 3781-3793.	7.0	10
84	Amine oxidation by <i>d</i> -arginine dehydrogenase in <i>Pseudomonas aeruginosa</i> . <i>Archives of Biochemistry and Biophysics</i> , 2017, 632, 192-201.	3.0	10
85	Stepwise Hydrogen Atom and Proton Transfers in Dioxygen Reduction by Aryl-Alcohol Oxidase. <i>Biochemistry</i> , 2018, 57, 1790-1797.	2.5	10
86	Tuning Protein Dynamics to Sense Rapid Endoplasmic Reticulum Calcium Dynamics. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23289-23298.	13.8	10
87	Characterization of 2-Oxo-3-pentynoate as an Active-Site-Directed Inactivator of Flavoprotein Oxidases: Identification of Active-Site Peptides in Tryptophan 2-Monooxygenase. <i>Biochemistry</i> , 1999, 38, 5822-5828.	2.5	9
88	Trapping choline oxidase in a nonfunctional conformation by freezing at low pH. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 66, 611-620.	2.6	9
89	Rescuing of the hydride transfer reaction in the Glu312Asp variant of choline oxidase by a substrate analogue. <i>Archives of Biochemistry and Biophysics</i> , 2010, 499, 1-5.	3.0	9
90	<i>Pseudomonas aeruginosa</i> LysR PA4203 Regulator NmoR Acts as a Repressor of the PA4202 <i>nmoA</i> Gene, Encoding a Nitronate Monooxygenase. <i>Journal of Bacteriology</i> , 2015, 197, 1026-1039.	2.2	9

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91	A pH switch affects the steady-state kinetic mechanism of pyranose 2-oxidase from <i>Trametes ochracea</i> . <i>Archives of Biochemistry and Biophysics</i> , 2009, 483, 10-15.	3.0	8
92	Crystal structure of yeast nitronate monooxygenase from <i>Cyberlindnera saturnus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 599-605.	2.6	8
93	Ionic Atmosphere Effect on the Absorption Spectrum of a Flavoprotein: A Reminder to Consider Solution Ions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8384-8396.	4.6	8
94	Kinetic evidence for an anion binding pocket in the active site of nitronate monooxygenase. <i>Bioorganic Chemistry</i> , 2009, 37, 167-172.	4.1	7
95	A Reversible, Charge-Induced Intramolecular C4a-S-Cysteinyl-Flavin in Choline Oxidase Variant S101C. <i>Biochemistry</i> , 2017, 56, 6677-6690.	2.5	7
96	Kinetic Characterization of PA1225 from <i>Pseudomonas aeruginosa</i> PAO1 Reveals a New NADPH:Quinone Reductase. <i>Biochemistry</i> , 2018, 57, 3050-3058.	2.5	7
97	A Single-Point Mutation in d-Arginine Dehydrogenase Unlocks a Transient Conformational State Resulting in Altered Cofactor Reactivity. <i>Biochemistry</i> , 2021, 60, 711-724.	2.5	7
98	Importance of glutamate 87 and the substrate α -amine for the reaction catalyzed by d-arginine dehydrogenase. <i>Archives of Biochemistry and Biophysics</i> , 2015, 568, 56-63.	3.0	6
99	Structural determinants for substrate specificity of flavoenzymes oxidizing d-amino acids. <i>Archives of Biochemistry and Biophysics</i> , 2018, 660, 87-96.	3.0	6
100	Steric hindrance controls pyridine nucleotide specificity of a flavin-dependent NADH:quinone oxidoreductase. <i>Protein Science</i> , 2019, 28, 167-175.	7.6	6
101	Effect of Salt and pH on the Reductive Half-Reaction of <i>Mycobacterium tuberculosis</i> FprA with NADPH. <i>Biochemistry</i> , 2008, 47, 3418-3425.	2.5	5
102	Substitutions of S101 decrease proton and hydride transfers in the oxidation of betaine aldehyde by choline oxidase. <i>Archives of Biochemistry and Biophysics</i> , 2017, 634, 76-82.	3.0	5
103	Characterization of conserved active site residues in class I nitronate monooxygenase. <i>Archives of Biochemistry and Biophysics</i> , 2019, 672, 108058.	3.0	5
104	Kinetic and Bioinformatic Characterization of d-2-Hydroxyglutarate Dehydrogenase from <i>Pseudomonas aeruginosa</i> PAO1. <i>Biochemistry</i> , 2020, 59, 4833-4844.	2.5	5
105	A Metastable Photoinduced Protein-Flavin Adduct in Choline Oxidase, an Enzyme Not Involved in Light-Dependent Processes. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3936-3943.	2.6	5
106	Conserved Hydration Sites in Pin1 Reveal a Distinctive Water Recognition Motif in Proteins. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 139-147.	5.4	4
107	Evidence for proton tunneling and a transient covalent flavin-substrate adduct in choline oxidase S101A. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1470-1478.	2.3	4
108	Introduction to flavoproteins: Beyond the classical paradigms. <i>Archives of Biochemistry and Biophysics</i> , 2017, 632, 1-3.	3.0	4

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109	Kinetic solvent viscosity effects reveal a protein isomerization in the reductive half-reaction of <i>Neurospora crassa</i> class II nitronate monooxygenase. <i>Archives of Biochemistry and Biophysics</i> , 2020, 695, 108625.	3.0	4
110	Kinetic solvent viscosity effects uncover an internal isomerization of the enzyme-substrate complex in <i>Pseudomonas aeruginosa</i> PAO1 NADH:Quinone oxidoreductase. <i>Archives of Biochemistry and Biophysics</i> , 2022, 727, 109342.	3.0	4
111	Reactivity of histidyl residues ind-amino acid oxidase from <i>Rhodotorula gracilis</i> . <i>FEBS Letters</i> , 1995, 363, 307-310.	2.8	3
112	Evidence for an Essential Arginine in the Flavoprotein Nitroalkane Oxidase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2001, 16, 157-163.	0.5	3
113	Guest Editor's Introduction. <i>Archives of Biochemistry and Biophysics</i> , 2010, 493, 1-2.	3.0	2
114	Kinetic Investigation of a Presumed Nitronate Monooxygenase from <i>Pseudomonas aeruginosa</i> PAO1 Establishes a New Class of NAD(P)H:Quinone Reductases. <i>Biochemistry</i> , 2019, 58, 2594-2607.	2.5	2
115	Tuning Protein Dynamics to Sense Rapid Endoplasmic Reticulum Calcium Dynamics. <i>Angewandte Chemie</i> , 2021, 133, 23477.	2.0	2
116	On the use of noncompetitive kinetic isotope effects to investigate flavoenzyme mechanism. <i>Methods in Enzymology</i> , 2019, 620, 115-143.	1.0	1
117	Discovery of a new flavin N5-adduct in a tyrosine to phenylalanine variant of d-Arginine dehydrogenase. <i>Archives of Biochemistry and Biophysics</i> , 2022, 715, 109100.	3.0	1
118	Design and Application of a Class of Sensors to Monitor Ca ²⁺ Dynamics in High Ca ²⁺ Concentration Cellular Compartments. <i>Biophysical Journal</i> , 2012, 102, 312a.	0.5	0
119	Design and Application of Fluorescent Calcium Binding Proteins with Fast Kinetics. <i>Biophysical Journal</i> , 2013, 104, 530a.	0.5	0
120	Cofactor assisted enzymatic catalysis. <i>Archives of Biochemistry and Biophysics</i> , 2014, 544, 1.	3.0	0