Peter J Tonge

List of Publications by Year in descending order

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220 papers	9,538 citations	29994 54 h-index	51492 86 g-index
231 all docs	231 docs citations	231 times ranked	8472 citing authors

#	Article	IF	Citations
1	Photophysics of the Blue Light Using Flavin Domain. Accounts of Chemical Research, 2022, 55, 402-414.	7.6	19
2	Exploring the chemical space of 1,2,3-triazolyl triclosan analogs for discovery of new antileishmanial chemotherapeutic agents. RSC Medicinal Chemistry, 2021, 12, 120-128.	1.7	7
3	Identification of the vibrational marker of tyrosine cation radical using ultrafast transient infrared spectroscopy of flavoprotein systems. Photochemical and Photobiological Sciences, 2021, 20, 369-378.	1.6	12
4	A Long Residence Time Enoyl-Reductase Inhibitor Explores an Extended Binding Region with Isoenzyme-Dependent Tautomer Adaptation and Differential Substrate-Binding Loop Closure. ACS Infectious Diseases, 2021, 7, 746-758.	1.8	4
5	Excited State Resonance Raman of Flavin Mononucleotide: Comparison of Theory and Experiment. Journal of Physical Chemistry A, 2021, 125, 6171-6179.	1.1	10
6	Impact of Target Turnover on the Translation of Drug-Target Residence Time to Time-Dependent Antibacterial Activity. ACS Infectious Diseases, 2021, 7, 2755-2763.	1.8	5
7	Positron Emission Tomography Imaging of Staphylococcus aureus Infection Using a Nitro-Prodrug Analogue of 2-[¹⁸F]F-p-Aminobenzoic Acid. ACS Infectious Diseases, 2020, 6, 2249-2259.	1.8	14
8	Excited State Vibrations of Isotopically Labeled FMN Free and Bound to a Lightâ€“Oxygenâ€“Voltage (LOV) Protein. Journal of Physical Chemistry B, 2020, 124, 7152-7165.	1.2	10
9	Structural Basis for the Regulation of Biofilm Formation and Iron Uptake in A. baumannii by the Blue-Light-Using Photoreceptor, BlsA. ACS Infectious Diseases, 2020, 6, 2592-2603.	1.8	14
10	Unraveling the Mechanism of a LOV Domain Optogenetic Sensor: A Glutamine Lever Induces Unfolding of the JÎ± Helix. ACS Chemical Biology, 2020, 15, 2752-2765.	1.6	29
11	Correlating Drugâ€“Target Residence Time and Post-antibiotic Effect: Insight into Target Vulnerability. ACS Infectious Diseases, 2020, 6, 629-636.	1.8	16
12	Functional dynamics of a single tryptophan residue in a BLUF protein revealed by fluorescence spectroscopy. Scientific Reports, 2020, 10, 2061.	1.6	22
13	Radical Formation in the Photoactivated Adenylate Cyclase OaPAC Revealed by Ultrafast Spectroscopy. Biophysical Journal, 2020, 118, 608a.	0.2	1
14	Ultrafast Protein Dynamics Probed by Site Specific Transient IR Spectroscopy. , 2020, , .		1
15	Featured Article Editorial. ACS Infectious Diseases, 2020, 6, 3089-3089.	1.8	0
16	Site-Specific Protein Dynamics Probed by Ultrafast Infrared Spectroscopy of a Noncanonical Amino Acid. Journal of Physical Chemistry B, 2019, 123, 9592-9597.	1.2	17
17	Antibacterial Activity and Mode of Action of a Sulfonamide-Based Class of Oxaborole Leucyl-tRNA-Synthetase Inhibitors. ACS Infectious Diseases, 2019, 5, 1231-1238.	1.8	26
18	Pharmacokineticâ€“pharmacodynamic models that incorporate drugâ€“target binding kinetics. Current Opinion in Chemical Biology, 2019, 50, 120-127.	2.8	31

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19	Structure-Based Design, Synthesis, and Biological Evaluation of Non-Acyl Sulfamate Inhibitors of the Adenylate-Forming Enzyme MenE. Biochemistry, 2019, 58, 1918-1930.	1.2	4
20	Quantifying the Interactions between Biomolecules: Guidelines for Assay Design and Data Analysis. ACS Infectious Diseases, 2019, 5, 796-808.	1.8	26
21	Vibrational spectroscopy of flavoproteins. Methods in Enzymology, 2019, 620, 189-214.	0.4	10
22	Drugâ€“Target Kinetics in Drug Discovery. ACS Chemical Neuroscience, 2018, 9, 29-39.	1.7	189
23	Variation in LOV Photoreceptor Activation Dynamics Probed by Time-Resolved Infrared Spectroscopy. Biochemistry, 2018, 57, 620-630.	1.2	20
24	Positron Emission Tomography Imaging with 2-[¹⁸F]F-p-Aminobenzoic Acid Detects Staphylococcus aureus Infections and Monitors Drug Response. ACS Infectious Diseases, 2018, 4, 1635-1644.	1.8	63
25	Structureâ€“kinetic relationships that control the residence time of drugâ€“target complexes: insights from molecular structure and dynamics. Current Opinion in Chemical Biology, 2018, 44, 101-109.	2.8	20
26	Editorial overview: Next generation therapeutics. Current Opinion in Chemical Biology, 2018, 44, A1-A4.	2.8	0
27	Infrared spectroscopy reveals multi-step multi-timescale photoactivation in the photoconvertible protein archetype dronpa. Nature Chemistry, 2018, 10, 845-852.	6.6	48
28	Discovery of a cofactor-independent inhibitor ofMycobacterium tuberculosisInhA. Life Science Alliance, 2018, 1, e201800025.	1.3	31
29	Rationalizing the Binding Kinetics for the Inhibition of the Burkholderia pseudomallei FabI1 Enoyl-ACP Reductase. Biochemistry, 2017, 56, 1865-1878.	1.2	5
30	Evaluating the Contribution of Transition-State Destabilization to Changes in the Residence Time of Triazole-Based InhA Inhibitors. Journal of the American Chemical Society, 2017, 139, 3417-3429.	6.6	46
31	Femtosecond to Millisecond Dynamics of Light Induced Allostery in the Avena sativa LOV Domain. Journal of Physical Chemistry B, 2017, 121, 1010-1019.	1.2	36
32	A quantitative mechanistic PK/PD model directly connects Btk target engagement and in vivo efficacy. Chemical Science, 2017, 8, 3434-3443.	3.7	27
33	Femtosecond stimulated Raman study of the photoactive flavoprotein AppABLUF. Chemical Physics Letters, 2017, 683, 365-369.	1.2	14
34	Photoactivation of the BLUF Protein PixD Probed by the Site-Specific Incorporation of Fluorotyrosine Residues. Journal of the American Chemical Society, 2017, 139, 14638-14648.	6.6	38
35	CNS Anticancer Drug Discovery and Development: 2016 conference insights. CNS Oncology, 2017, 6, 167-177.	1.2	10
36	Antitubercular activity of 1,2,3-triazolyl fatty acid derivatives. European Journal of Medicinal Chemistry, 2017, 125, 842-852.	2.6	24

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37	The biodistribution of 5-[18F]fluoropyrazinamide in Mycobacterium tuberculosis-infected mice determined by positron emission tomography. PLoS ONE, 2017, 12, e0170871.	1.1	16
38	Stereoselective Synthesis, Docking, and Biological Evaluation of Difluoroindanediol-Based MenE Inhibitors as Antibiotics. Organic Letters, 2016, 18, 6384-6387.	2.4	13
39	Thiolactomycin-Based Inhibitors of Bacterial Î²-Ketoacyl-ACP Synthases with in Vivo Activity. Journal of Medicinal Chemistry, 2016, 59, 5377-5390.	2.9	28
40	Selectivity of Pyridone- and Diphenyl Ether-Based Inhibitors for the Yersinia pestis FabV Enoyl-ACP Reductase. Biochemistry, 2016, 55, 2992-3006.	1.2	6
41	Formulation studies of InhA inhibitors and combination therapy to improve efficacy against Mycobacterium tuberculosis. Tuberculosis, 2016, 101, 8-14.	0.8	4
42	Correlating drugâ€“target kinetics and in vivo pharmacodynamics: long residence time inhibitors of the FabI enoyl-ACP reductase. Chemical Science, 2016, 7, 5945-5954.	3.7	24
43	Mechanism of the AppA_{BLUF} Photocycle Probed by Site-Specific Incorporation of Fluorotyrosine Residues: Effect of the Y21 pK_a on the Forward and Reverse Ground-State Reactions. Journal of the American Chemical Society, 2016, 138, 926-935.	6.6	26
44	A Methyl 4-Oxo-4-phenylbut-2-enoate with in Vivo Activity against MRSA That Inhibits MenB in the Bacterial Menaquinone Biosynthesis Pathway. ACS Infectious Diseases, 2016, 2, 329-340.	1.8	22
45	Asparagine deprivation mediated by Salmonella asparaginase causes suppression of activation-induced T cell metabolic reprogramming. Journal of Leukocyte Biology, 2016, 99, 387-398.	1.5	39
46	Complete Proton Transfer Cycle in GFP and Its T203V and S205V Mutants. Angewandte Chemie - International Edition, 2015, 54, 9303-9307.	7.2	23
47	A Virtual Screen Discovers Novel, Fragment-Sized Inhibitors of Mycobacterium tuberculosis InhA. Journal of Chemical Information and Modeling, 2015, 55, 645-659.	2.5	35
48	Electron transfer quenching in light adapted and mutant forms of the AppA BLUF domain. Faraday Discussions, 2015, 177, 293-311.	1.6	13
49	Rational Modulation of the Induced-Fit Conformational Change for Slow-Onset Inhibition in Mycobacterium tuberculosis InhA. Biochemistry, 2015, 54, 4683-4691.	1.2	30
50	Translating slow-binding inhibition kinetics into cellular and in vivo effects. Nature Chemical Biology, 2015, 11, 416-423.	3.9	127
51	Direct inhibitors of InhA are active against Mycobacterium tuberculosis. Science Translational Medicine, 2015, 7, 269ra3.	5.8	98
52	An Ordered Water Channel in Staphylococcus aureus FabI: Unraveling the Mechanism of Substrate Recognition and Reduction. Biochemistry, 2015, 54, 1943-1955.	1.2	27
53	A [32P]NAD+-based method to identify and quantitate long residence time enoyl-acyl carrier protein reductase inhibitors. Analytical Biochemistry, 2015, 474, 40-49.	1.1	8
54	Mechanism of MenE Inhibition by Acyl-Adenylate Analogues and Discovery of Novel Antibacterial Agents. Biochemistry, 2015, 54, 6514-6524.	1.2	27

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55	Computer-aided identification, synthesis, and biological evaluation of novel inhibitors for botulinum neurotoxin serotype A. Bioorganic and Medicinal Chemistry, 2015, 23, 5489-5495.	1.4	13
56	Radiolabelling and positron emission tomography of PT70, a time-dependent inhibitor of InhA, the Mycobacterium tuberculosis enoyl-ACP reductase. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4782-4786.	1.0	9
57	Diacyltransferase Activity and Chain Length Specificity ofMycobacterium tuberculosisPapA5 in the Synthesis of Alkyl Î²-Diol Lipids. Biochemistry, 2015, 54, 5457-5468.	1.2	9
58	Determination of [¹¹ C]Rifampin Pharmacokinetics within Mycobacterium tuberculosis-Infected Mice by Using Dynamic Positron Emission Tomography Bioimaging. Antimicrobial Agents and Chemotherapy, 2015, 59, 5768-5774.	1.4	47
59	Timeâ€Dependent Diaryl Ether Inhibitors of InhA: Structureâ€“Activity Relationship Studies of Enzyme Inhibition, Antibacterial Activity, and inâ€…vivo Efficacy. ChemMedChem, 2014, 9, 776-791.	1.6	48
60	Substituted Diphenyl Ethers as a Novel Chemotherapeutic Platform against Burkholderia pseudomallei. Antimicrobial Agents and Chemotherapy, 2014, 58, 1646-1651.	1.4	14
61	The Burkholderia pseudomallei Enoyl-Acyl Carrier Protein Reductase FabI1 Is Essential for In Vivo Growth and Is the Target of a Novel Chemotherapeutic with Efficacy. Antimicrobial Agents and Chemotherapy, 2014, 58, 931-935.	1.4	14
62	A Structural and Energetic Model for the Slow-Onset Inhibition of the Mycobacterium tuberculosis Enoyl-ACP Reductase InhA. ACS Chemical Biology, 2014, 9, 986-993.	1.6	63
63	Radiosynthesis and biological evaluation of a novel enoyl-ACP reductase inhibitor for Staphylococcus aureus. European Journal of Medicinal Chemistry, 2014, 88, 66-73.	2.6	8
64	Ultrafast Structural Dynamics of BlsA, a Photoreceptor from the Pathogenic Bacterium Acinetobacter baumannii. Journal of Physical Chemistry Letters, 2014, 5, 220-224.	2.1	25
65	BLUF Domain Function Does Not Require a Metastable Radical Intermediate State. Journal of the American Chemical Society, 2014, 136, 4605-4615.	6.6	41
66	Rational Design of Broad Spectrum Antibacterial Activity Based on a Clinically Relevant Enoyl-Acyl Carrier Protein (ACP) Reductase Inhibitor. Journal of Biological Chemistry, 2014, 289, 15987-16005.	1.6	63
67	Structural Basis for the Recognition of Mycolic Acid Precursors by KasA, a Condensing Enzyme and Drug Target from Mycobacterium Tuberculosis. Journal of Biological Chemistry, 2013, 288, 34190-34204.	1.6	48
68	Proteins in Action: Femtosecond to Millisecond Structural Dynamics of a Photoactive Flavoprotein. Journal of the American Chemical Society, 2013, 135, 16168-16174.	6.6	65
69	Protein Photochromism Observed by Ultrafast Vibrational Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 11954-11959.	1.2	23
70	Thiolactomycin-based Î²-Ketoacyl-AcpM Synthase A (KasA) Inhibitors. Journal of Biological Chemistry, 2013, 288, 6045-6052.	1.6	32
71	Potential of Lichen Secondary Metabolites against Plasmodium Liver Stage Parasites with FAS-II as the Potential Target. Journal of Natural Products, 2013, 76, 1064-1070.	1.5	30
72	Rational Optimization of Drug-Target Residence Time: Insights from Inhibitor Binding to the Staphylococcus aureus FabI Enzymeâ€“Product Complex. Biochemistry, 2013, 52, 4217-4228.	1.2	58

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73	Noninvasive Determination of 2-[¹⁸ F]-Fluoroisonicotinic Acid Hydrazide Pharmacokinetics by Positron Emission Tomography in Mycobacterium tuberculosis-Infected Mice. Antimicrobial Agents and Chemotherapy, 2013, 57, 678-678.	1.4	0
74	The Francisella tularensis FabI Enoyl-Acyl Carrier Protein Reductase Gene Is Essential to Bacterial Viability and Is Expressed during Infection. Journal of Bacteriology, 2013, 195, 351-358.	1.0	21
75	Transient IR study of Blue Light Sensing Proteins. EPJ Web of Conferences, 2013, 41, 07009.	0.1	0
76	Noninvasive Determination of 2-[¹⁸ F]-Fluoroisonicotinic Acid Hydrazide Pharmacokinetics by Positron Emission Tomography in Mycobacterium tuberculosis-Infected Mice. Antimicrobial Agents and Chemotherapy, 2012, 56, 6284-6290.	1.4	60
77	Targeting InhA, the FASII Enoyl-ACP Reductase: SAR Studies on Novel Inhibitor Scaffolds. Current Topics in Medicinal Chemistry, 2012, 12, 672-693.	1.0	76
78	Excited State Structure and Dynamics of the Neutral and Anionic Flavin Radical Revealed by Ultrafast Transient Mid-IR to Visible Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 5810-5818.	1.2	33
79	Vibrational Assignment of the Ultrafast Infrared Spectrum of the Photoactivatable Flavoprotein AppA. Journal of Physical Chemistry B, 2012, 116, 10722-10729.	1.2	21
80	Ultrafast proton transfer in the green fluorescent protein: Analysing the instantaneous emission at product state wavelengths. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 234, 21-26.	2.0	4
81	Structure of the Yersinia pestis FabV Enoyl-ACP Reductase and Its Interaction with Two 2-Pyridone Inhibitors. Structure, 2012, 20, 89-100.	1.6	18
82	Staphylococcus aureus FabI: Inhibition, Substrate Recognition, and Potential Implications for InÂVivo Essentiality. Structure, 2012, 20, 802-813.	1.6	78
83	Stable Analogues of OSBâ€AMP: Potent Inhibitors of MenE, the oâ€Succinylbenzoateâ€CoA Synthetase from Bacterial Menaquinone Biosynthesis. ChemBioChem, 2012, 13, 129-136.	1.3	51
84	Ultrafast transient mid IR to visible spectroscopy of fully reduced flavins. Physical Chemistry Chemical Physics, 2011, 13, 17642.	1.3	21
85	Mechanism of the Intramolecular Claisen Condensation Reaction Catalyzed by MenB, a Crotonase Superfamily Member. Biochemistry, 2011, 50, 9532-9544.	1.2	62
86	Substrate Recognition by Î²-Ketoacyl-ACP Synthases. Biochemistry, 2011, 50, 10678-10686.	1.2	34
87	Elucidation of the Protonation States of the Catalytic Residues in mtKasA: Implications for Inhibitor Design. Biochemistry, 2011, 50, 5743-5756.	1.2	17
88	Ultrafast Infrared Spectroscopy of an Isotope-Labeled Photoactivatable Flavoprotein. Biochemistry, 2011, 50, 1321-1328.	1.2	36
89	CoA Adducts of 4-Oxo-4-phenylbut-2-enoates: Inhibitors of MenB from the M. tuberculosis Menaquinone Biosynthesis Pathway. ACS Medicinal Chemistry Letters, 2011, 2, 818-823.	1.3	40
90	Photoexcitation of the Blue Light Using FAD Photoreceptor AppA Results in Ultrafast Changes to the Protein Matrix. Journal of the American Chemical Society, 2011, 133, 16893-16900.	6.6	51

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91	A Machine Learning-Based Method To Improve Docking Scoring Functions and Its Application to Drug Repurposing. Journal of Chemical Information and Modeling, 2011, 51, 408-419.	2.5	175
92	Novel Trisubstituted Benzimidazoles, Targeting Mtb FtsZ, as a New Class of Antitubercular Agents. Journal of Medicinal Chemistry, 2011, 54, 374-381.	2.9	145
93	Structural and Functional Studies of Fatty Acyl Adenylate Ligases from E. coli and L. pneumophila. Journal of Molecular Biology, 2011, 406, 313-324.	2.0	29
94	Mechanism and inhibition of the FabI enoyl-ACP reductase from Burkholderia pseudomallei. Journal of Antimicrobial Chemotherapy, 2011, 66, 564-573.	1.3	29
95	Fatty Acid Biosynthesis and Oxidation. , 2010, , 231-275.		17
96	Drugâ€“target residence time: critical information for lead optimization. Current Opinion in Chemical Biology, 2010, 14, 467-474.	2.8	391
97	Synthesis and SAR studies of 1,4-benzoxazine MenB inhibitors: Novel antibacterial agents against Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6306-6309.	1.0	89
98	Slow Onset Inhibition of Bacterial Î²-Ketoacyl-acyl Carrier Protein Synthases by Thiolactomycin. Journal of Biological Chemistry, 2010, 285, 6161-6169.	1.6	42
99	Ultrafast Dynamics of Protein Proton Transfer on Short Hydrogen Bond Potential Energy Surfaces: S65T/H148D GFP.. Journal of the American Chemical Society, 2010, 132, 1452-1453.	6.6	42
100	Radiosynthesis and Bioimaging of the Tuberculosis Chemotherapeutics Isoniazid, Rifampicin and Pyrazinamide in Baboons. Journal of Medicinal Chemistry, 2010, 53, 2882-2891.	2.9	66
101	Mechanism and Inhibition of the FabV Enoyl-ACP Reductase from Burkholderia mallei. Biochemistry, 2010, 49, 1281-1289.	1.2	29
102	Discovery of anti-TB agents that target the cell-division protein FtsZ. Future Medicinal Chemistry, 2010, 2, 1305-1323.	1.1	79
103	A Slow, Tight Binding Inhibitor of InhA, the Enoyl-Acyl Carrier Protein Reductase from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2010, 285, 14330-14337.	1.6	155
104	Ultrafast dynamics of the BLUF mutant dAppA Q63E revealed by TRIR and fluorescent upconversion. , 2010, , .		0
105	Ultrafast Proton Transfer in Fluorescent and Photochromic Proteins. , 2010, , .		0
106	Mechanism and Inhibition of the Dihydroxynaphthoylâ€CoA Synthase MenB from Mycobacterium Tuberculosis. FASEB Journal, 2010, 24, 463.11.	0.2	0
107	Imaging the Distribution of Carbonâ€11 Labeled Rifampicin, Isoniazid and Pyrazinamide in Baboons using PET. FASEB Journal, 2010, 24, 907.7.	0.2	0
108	Residence Time and in vivo Antibacterial Activity â€A Critical Aspect of Lead Compound Optimization. FASEB Journal, 2010, 24, 680.3.	0.2	0

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109	Slow Onset Inhibitors of Bacterial Fatty Acid Biosynthesis: Residence Time, In Vivo Activity and In Vivo Imaging. FASEB Journal, 2010, 24, 71.3.	0.2	0
110	Substituted diphenyl ethers as a broad-spectrum platform for the development of chemotherapeutics for the treatment of tularaemia. Journal of Antimicrobial Chemotherapy, 2009, 64, 1052-1061.	1.3	29
111	Crystal Structures of Mycobacterium tuberculosis KasA Show Mode of Action within Cell Wall Biosynthesis and its Inhibition by Thiolactomycin. Structure, 2009, 17, 1004-1013.	1.6	66
112	Excited state dynamics in the green fluorescent protein. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 205, 1-11.	2.0	59
113	Slow-Onset Inhibition of the FabI Enoyl Reductase from Francisella tularensis: Residence Time and in Vivo Activity. ACS Chemical Biology, 2009, 4, 221-231.	1.6	106
114	Drug Discovery Using Chemical Systems Biology: Repositioning the Safe Medicine Comtan to Treat Multi-Drug and Extensively Drug Resistant Tuberculosis. PLoS Computational Biology, 2009, 5, e1000423.	1.5	283
115	Synthesis and in vitro antimycobacterial activity of B-ring modified diaryl ether InhA inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3029-3033.	1.0	75
116	Mechanism-based inhibitors of MenE, an acyl-CoA synthetase involved in bacterial menaquinone biosynthesis. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5963-5966.	1.0	73
117	Ultrafast electronic and vibrational dynamics of stabilized A state mutants of the green fluorescent protein (GFP): Snipping the proton wire. Chemical Physics, 2008, 350, 193-200.	0.9	15
118	Inhibiting enoyl-ACP reductase (FabI) across pathogenic microorganisms by linear sesquiterpene lactones from Anthemis auriculata. Phytomedicine, 2008, 15, 1125-1129.	2.3	30
119	Characterizing septum inhibition in Mycobacterium tuberculosis for novel drug discovery. Tuberculosis, 2008, 88, 420-429.	0.8	28
120	Mechanism and Inhibition of saFabI, the Enoyl Reductase from Staphylococcus aureus. Biochemistry, 2008, 47, 4228-4236.	1.2	61
121	Inhibitors of FabI, an Enzyme Drug Target in the Bacterial Fatty Acid Biosynthesis Pathway. Accounts of Chemical Research, 2008, 41, 11-20.	7.6	246
122	Crystal Structure and Raman Studies of dsFP483, a Cyan Fluorescent Protein from Discosoma striata. Journal of Molecular Biology, 2008, 378, 871-886.	2.0	16
123	An Alternate Proton Acceptor for Excited-State Proton Transfer in Green Fluorescent Protein:â€‰Rewiring GFP. Journal of the American Chemical Society, 2008, 130, 1227-1235.	6.6	108
124	A Novel Interaction Linking the FAS-II and Phthiocerol Dimycocerosate (PDIM) Biosynthetic Pathways. Journal of Biological Chemistry, 2008, 283, 31719-31725.	1.6	16
125	Targeting the Enoylâ€Reductase Enzyme (FabI): Modern Drug Discovery Effects to Combat Tularemia. FASEB Journal, 2008, 22, 791.6.	0.2	0
126	Investigation of Menaquinone Biosynthesis in Mycobacterium Tuberculosis : Catalytic Mechanism and Inhibition Studies of MenB. FASEB Journal, 2008, 22, 611.15.	0.2	0

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127	Development of Modern InhA Inhibitors to Combat Drug Resistant Strains of Mycobacterium tuberculosis. Current Topics in Medicinal Chemistry, 2007, 7, 489-498.	1.0	42
128	FtsZ: A Novel Target for Tuberculosis Drug Discovery. Current Topics in Medicinal Chemistry, 2007, 7, 527-543.	1.0	65
129	Targeting Fatty Acid Biosynthesis for the Development of Novel Chemotherapeutics against Mycobacterium tuberculosis : Evaluation of A-Ring-Modified Diphenyl Ethers as High-Affinity InhA Inhibitors. Antimicrobial Agents and Chemotherapy, 2007, 51, 3562-3567.	1.4	54
130	Ultrafast Structural Dynamics in BLUF Domains:â€‰ Transient Infrared Spectroscopy of AppA and Its Mutants. Journal of the American Chemical Society, 2007, 129, 15556-15564.	6.6	113
131	Lysine 190 Is the Catalytic Base in MenF, the Menaquinone-Specific Isochorismate Synthase from Escherichia coli:â€‰ Implications for an Enzyme Family. Biochemistry, 2007, 46, 946-953.	1.2	53
132	Structure and Mechanism of MbtI, the Salicylate Synthase from Mycobacterium tuberculosis. Biochemistry, 2007, 46, 954-964.	1.2	62
133	Evidence from Raman Spectroscopy That InhA, the Mycobacterial Enoyl Reductase, Modulates the Conformation of the NADH Cofactor to Promote Catalysis. Journal of the American Chemical Society, 2007, 129, 6425-6431.	6.6	11
134	Marine natural products from the Turkish sponge Agelas oroides that inhibit the enoyl reductases from Plasmodium falciparum, Mycobacterium tuberculosis and Escherichia coli. Bioorganic and Medicinal Chemistry, 2007, 15, 6834-6845.	1.4	129
135	Synthesis of 4-phenoxybenzamide adenine dinucleotide as NAD analogue with inhibitory activity against enoyl-ACP reductase (InhA) of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4588-4591.	1.0	18
136	Probing mechanisms of resistance to the tuberculosis drug isoniazid: Conformational changes caused by inhibition of InhA, the enoyl reductase fromMycobacterium tuberculosis. Protein Science, 2007, 16, 1617-1627.	3.1	15
137	Ultrafast Photoreactions in the Green Fluorescent Protein Studied Through Time Resolved Vibrational Spectroscopy. Springer Series in Chemical Physics, 2007, , 468-470.	0.2	1
138	The Kinetic Studies of saFabI, the Enoyl ACP Reductase From Staphylococcus aureus. FASEB Journal, 2007, 21, A999.	0.2	0
139	High Affinity InhA Inhibitors with Activity against Drug-Resistant Strains of Mycobacterium tuberculosis. ACS Chemical Biology, 2006, 1, 43-53.	1.6	234
140	Targeting FtsZ for Antituberculosis Drug Discovery:Â Noncytotoxic Taxanes as Novel Antituberculosis Agents. Journal of Medicinal Chemistry, 2006, 49, 463-466.	2.9	100
141	Insight through Molecular Mechanics Poissonâ^'Boltzmann Surface Area Calculations into the Binding Affinity of Triclosan and Three Analogues for FabI, the E. coli Enoyl Reductase. Journal of Medicinal Chemistry, 2006, 49, 4574-4580.	2.9	32
142	Ultrafast Vibrational Spectroscopy of the Flavin Chromophore. Journal of Physical Chemistry B, 2006, 110, 20107-20110.	1.2	61
143	A Raman-active competitive inhibitor of OMP decarboxylase. Bioorganic Chemistry, 2006, 34, 59-65.	2.0	13
144	Time-Resolved Emission Spectra of Green Fluorescent Protein. Photochemistry and Photobiology, 2006, 82, 373.	1.3	18

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145	Proton Relay Reaction in Green Fluorescent Protein (GFP):Â Polarization-Resolved Ultrafast Vibrational Spectroscopy of Isotopically Edited GFP. Journal of Physical Chemistry B, 2006, 110, 22009-22018.	1.2	73
146	Structure of Acyl Carrier Protein Bound to FabI, the FASII Enoyl Reductase from Escherichia coli. Journal of Biological Chemistry, 2006, 281, 39285-39293.	1.6	101
147	Ultrafast Photoreactions in the Green Fluorescent Protein Studied Through Time Resolved Vibrational Spectroscopy. , 2006, , .		0
148	Comparative Structural and Biochemical Studies of Chorismate Binding Enzymes, MenF, EntC and MbtI. FASEB Journal, 2006, 20, A463.	0.2	0
149	N/C Terminal Relocation, Truncation, and Native Chemical Ligation; Accessing the Chromophore of Green Fluorescent Protein. FASEB Journal, 2006, 20, A965.	0.2	1
150	The Catalytic Mechanism of MenB, the 1,4â€Ðihydroxynaphthoylâ€ĆoA Synthase from Mycobacterium Tuberculosis. FASEB Journal, 2006, 20, A41.	0.2	3
151	Substrate Recognition by the Human Fatty-acid Synthase. Journal of Biological Chemistry, 2005, 280, 42612-42618.	1.6	13
152	Ring Current Effects in the Active Site of Medium-Chain Acyl-CoA Dehydrogenase Revealed by NMR Spectroscopy. Journal of the American Chemical Society, 2005, 127, 8424-8432.	6.6	2
153	Observation of Excited-State Proton Transfer in Green Fluorescent Protein using Ultrafast Vibrational Spectroscopy. Journal of the American Chemical Society, 2005, 127, 2864-2865.	6.6	189
154	Procatalytic Ligand Strain. Ionization and Perturbation of 8-Nitroxanthine at the Urate Oxidase Active Site. Biochemistry, 2005, 44, 11440-11446.	1.2	11
155	Inhibition of the Bacterial Enoyl Reductase FabI by Triclosan:Â A Structureâ^'Reactivity Analysis of FabI Inhibition by Triclosan Analoguesâ€. Journal of Medicinal Chemistry, 2004, 47, 509-518.	2.9	101
156	Ultrafast Excited and Ground-State Dynamics of the Green Fluorescent Protein Chromophore in Solution. Journal of Physical Chemistry A, 2004, 108, 4587-4598.	1.1	97
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