

Rosemarie Wilton

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

644
citations

623734

14
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794594

19
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21
all docs

21
docs citations

21
times ranked

1201
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Optogenetic Modulation of Cortical Neurons Enabled by Radioluminescent Nanoparticles. ACS Nano, 2021, 15, 5201-5208.	14.6	31
2	Evaluation of chromosomal insertion loci in the Pseudomonas putida KT2440 genome for predictable biosystems design. Metabolic Engineering Communications, 2020, 11, e00139.	3.6	18
3	Functional Imaging of Microbial Interactions With Tree Roots Using a Microfluidics Setup. Frontiers in Plant Science, 2020, 11, 408.	3.6	25
4	Silica Nanodepletors: Targeting and Clearing Alzheimer's β -Amyloid Plaques. Advanced Functional Materials, 2020, 30, 1910475.	14.9	24
5	Structural analysis of free and liganded forms of the Fab fragment of a high-affinity anti-cocaine antibody, h2E2. Acta Crystallographica Section F, Structural Biology Communications, 2019, 75, 697-706.	0.8	7
6	Interaction of antidiabetic α -glucosidase inhibitors and gut bacteria α -glucosidase. Protein Science, 2018, 27, 1498-1508.	7.6	37
7	Particle tracking by repetitive phase-shift interferometric super resolution microscopy. Optics Letters, 2018, 43, 2819.	3.3	3
8	Particle tracking and extended object imaging by interferometric super resolution microscopy. , 2018, , .		0
9	A novel signal transduction protein: Combination of solute binding and tandem PAS-like sensor domains in one polypeptide chain. Protein Science, 2017, 26, 857-869.	7.6	1
10	Fast, Ratiometric FRET from Quantum Dot Conjugated Stabilized Single Chain Variable Fragments for Quantitative Botulinum Neurotoxin Sensing. Nano Letters, 2015, 15, 7161-7167.	9.1	40
11	Insight into the sporulation phosphorelay: Crystal structure of the sensor domain of <i>Bacillus subtilis</i> histidine kinase, KinD. Protein Science, 2013, 22, 564-576.	7.6	45
12	Analysis of periplasmic sensor domains from <i>Anaeromyxobacter dehalogenans</i> CP: Structure of one sensor domain from a histidine kinase and another from a chemotaxis protein. MicrobiologyOpen, 2013, 2, 766-777.	3.0	7
13	<i>Bacillus anthracis</i> Inosine 5'-Monophosphate Dehydrogenase in Action: The First Bacterial Series of Structures of Phosphate Ion-, Substrate-, and Product-Bound Complexes. Biochemistry, 2012, 51, 6148-6163.	2.5	31
14	Structure of Surface Layer Homology (SLH) Domains from <i>Bacillus anthracis</i> Surface Array Protein. Journal of Biological Chemistry, 2011, 286, 26042-26049.	3.4	74
15	Novel α -glucosidase from human gut microbiome: substrate specificities and their switch. FASEB Journal, 2010, 24, 3939-3949.	0.5	49
16	Structures and Solution Properties of Two Novel Periplasmic Sensor Domains with c-Type Heme from Chemotaxis Proteins of <i>Geobacter sulfurreducens</i> : Implications for Signal Transduction. Journal of Molecular Biology, 2008, 377, 1498-1517.	4.2	54
17	Receptor for Advanced Glycation Endproducts Mediates Neutrophil Migration across Intestinal Epithelium. Journal of Immunology, 2007, 178, 2483-2490.	0.8	69
18	Comparative analysis of 10 small molecules binding to carbonic anhydrase II by different investigators using Biacore technology. Analytical Biochemistry, 2006, 359, 94-105.	2.4	98

#	ARTICLE	IF	CITATIONS
19	Primary structure-based function characterization of BRCT domain replicates in BRCA1. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 188-196.	2.1	5
20	Expression and purification of recombinant human receptor for advanced glycation endproducts in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2006, 47, 25-35.	1.3	26