

Rosemarie Wilton

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

644
citations

623734

14
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1201
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of 10 small molecules binding to carbonic anhydrase II by different investigators using Biacore technology. <i>Analytical Biochemistry</i> , 2006, 359, 94-105.	2.4	98
2	Structure of Surface Layer Homology (SLH) Domains from <i>Bacillus anthracis</i> Surface Array Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 26042-26049.	3.4	74
3	Receptor for Advanced Glycation Endproducts Mediates Neutrophil Migration across Intestinal Epithelium. <i>Journal of Immunology</i> , 2007, 178, 2483-2490.	0.8	69
4	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. <i>Journal of Molecular Biology</i> , 2008, 377, 1498-1517.	4.2	54
5	Novel Î±-glucosidase from human gut microbiome: substrate specificities and their switch. <i>FASEB Journal</i> , 2010, 24, 3939-3949.	0.5	49
6	Insight into the sporulation phosphorelay: Crystal structure of the sensor domain of <i>Bacillus subtilis</i> histidine kinase, KinD. <i>Protein Science</i> , 2013, 22, 564-576.	7.6	45
7	Fast, Ratiometric FRET from Quantum Dot Conjugated Stabilized Single Chain Variable Fragments for Quantitative Botulinum Neurotoxin Sensing. <i>Nano Letters</i> , 2015, 15, 7161-7167.	9.1	40
8	Interaction of antidiabetic Î±-glucosidase inhibitors and gut bacteria Î±-glucosidase. <i>Protein Science</i> , 2018, 27, 1498-1508.	7.6	37
9	<i>Bacillus anthracis</i> Inosine 5â€²-Monophosphate Dehydrogenase in Action: The First Bacterial Series of Structures of Phosphate Ion-, Substrate-, and Product-Bound Complexes. <i>Biochemistry</i> , 2012, 51, 6148-6163.	2.5	31
10	Wireless Optogenetic Modulation of Cortical Neurons Enabled by Radioluminescent Nanoparticles. <i>ACS Nano</i> , 2021, 15, 5201-5208.	14.6	31
11	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
12	Functional Imaging of Microbial Interactions With Tree Roots Using a Microfluidics Setup. <i>Frontiers in Plant Science</i> , 2020, 11, 408.	3.6	25
13	Silica Nanodepletors: Targeting and Clearing Alzheimer's Î²-Amyloid Plaques. <i>Advanced Functional Materials</i> , 2020, 30, 1910475.	14.9	24
14	Evaluation of chromosomal insertion loci in the <i>Pseudomonas putida</i> KT2440 genome for predictable biosystems design. <i>Metabolic Engineering Communications</i> , 2020, 11, e00139.	3.6	18
15	Analysis of periplasmic sensor domains from <i>Anaeromyxobacter dehalogenans</i> 2<scp>CP</scp>â€™C: Structure of one sensor domain from a histidine kinase and another from a chemotaxis protein. <i>MicrobiologyOpen</i> , 2013, 2, 766-777.	3.0	7
16	Structural analysis of free and liganded forms of the Fab fragment of a high-affinity anti-cocaine antibody, h2E2. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 697-706.	0.8	7
17	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
18	Particle tracking by repetitive phase-shift interferometric super resolution microscopy. <i>Optics Letters</i> , 2018, 43, 2819.	3.3	3

#	ARTICLE	IF	CITATIONS
19	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
20	Particle tracking and extended object imaging by interferometric super resolution microscopy. , 2018, , .		0