

Vijaykumar Karuppiah

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

452
citations

759233

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docs citations

15
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the PilM-PilN Inner Membrane Type IV Pilus Biogenesis Complex from <i>Thermus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 24434-24442.	3.4	72
2	Structure and assembly of an inner membrane platform for initiation of type IV pilus biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4638-47.	7.1	57
3	Structure and oligomerization of the PilC type IV pilus biogenesis protein from <i>Thermus thermophilus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2049-2057.	2.6	49
4	Structural Basis of Catalysis in the Bacterial Monoterpene Synthases Linalool Synthase and 1,8-Cineole Synthase. <i>ACS Catalysis</i> , 2017, 7, 6268-6282.	11.2	47
5	Neuronal Calcium Sensor-1 Binds the D2 Dopamine Receptor and G-protein-coupled Receptor Kinase 1 (GRK1) Peptides Using Different Modes of Interactions. <i>Journal of Biological Chemistry</i> , 2015, 290, 18744-18756.	3.4	45
6	Experiment and Simulation Reveal How Mutations in Functional Plasticity Regions Guide Plant Monoterpene Synthase Product Outcome. <i>ACS Catalysis</i> , 2018, 8, 3780-3791.	11.2	32
7	Structure and Properties of a Natural Competence-Associated Pilin Suggest a Unique Pilus Tip-Associated DNA Receptor. <i>MBio</i> , 2019, 10, .	4.1	23
8	Structure and mechanism of the PilF DNA transformation ATPase from <i>Thermus thermophilus</i> . <i>Biochemical Journal</i> , 2013, 450, 417-425.	3.7	22
9	Pinpointing a Mechanistic Switch Between Ketoreduction and α -Reduction in Short-Chain Dehydrogenases/Reductases. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9596-9600.	13.8	21
10	Structural cycle of the <i>Thermus thermophilus</i> PilF ATPase: the powering of type IVa pilus assembly. <i>Scientific Reports</i> , 2018, 8, 14022.	3.3	21
11	Outer membrane translocons: structural insights into channel formation. <i>Trends in Microbiology</i> , 2011, 19, 40-48.	7.7	18
12	Structure of the <i>Cannabis sativa</i> olivetolâ€producing enzyme reveals cyclization plasticity in type III polyketide synthases. <i>FEBS Journal</i> , 2020, 287, 1511-1524.	4.7	18
13	Structure and Mechanism of the Bifunctional CinA Enzyme from <i>Thermus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 33187-33197.	3.4	12
14	Structures of type IV pilins from <i>Thermus thermophilus</i> demonstrate similarities with type II secretion system pseudopilins. <i>Journal of Structural Biology</i> , 2016, 196, 375-384.	2.8	12
15	Type IV pilus a numbers game. <i>EMBO Journal</i> , 2014, 33, 1732-1734.	7.8	3