

Andrew J Mitchell

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

825
citations

759233

12
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	The chloroalkaloid (â ⁺)-acutumine is biosynthesized via a Fe(II)- and 2-oxoglutarate-dependent halogenase in Menispermaceae plants. <i>Nature Communications</i> , 2020, 11, 1867.	12.8	37
2	Repeated evolution of cytochrome P450-mediated spiroketal steroid biosynthesis in plants. <i>Nature Communications</i> , 2019, 10, 3206.	12.8	110
3	Substrate-Triggered Formation of a Peroxo-Fe ₂ (III/III) Intermediate during Fatty Acid Decarboxylation by UndA. <i>Journal of the American Chemical Society</i> , 2019, 141, 14510-14514.	13.7	42
4	Unleashing the Synthetic Power of Plant Oxygenases: From Mechanism to Application. <i>Plant Physiology</i> , 2019, 179, 813-829.	4.8	28
5	An N-nitrosating metalloenzyme constructs the pharmacophore of streptozotocin. <i>Nature</i> , 2019, 566, 94-99.	27.8	108
6	A New Microbial Pathway for Organophosphonate Degradation Catalyzed by Two Previously Misannotated Non-Heme-Iron Oxygenases. <i>Biochemistry</i> , 2019, 58, 1627-1647.	2.5	28
7	Two Distinct Mechanisms for C ^α Desaturation by Iron(II)- and 2-(Oxo)glutarate-Dependent Oxygenases: Importance of Î±-Heteroatom Assistance. <i>Journal of the American Chemical Society</i> , 2018, 140, 7116-7126.	13.7	98
8	Î±-Amine Desaturation of <sc>d</sc>-Arginine by the Iron(II)- and 2-(Oxo)glutarate-Dependent <sc>l</sc>-Arginine 3-Hydroxylase, VioC. <i>Biochemistry</i> , 2018, 57, 6479-6488.	2.5	30
9	Noncatalytic chalcone isomerase-fold proteins in <i>Humulus lupulus</i> are auxiliary components in prenylated flavonoid biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5223-E5232.	7.1	74
10	Structure-Guided Reprogramming of a Hydroxylase To Halogenate Its Small Molecule Substrate. <i>Biochemistry</i> , 2017, 56, 441-444.	2.5	58
11	Visualizing the Reaction Cycle in an Iron(II)- and 2-(Oxo)-glutarate-Dependent Hydroxylase. <i>Journal of the American Chemical Society</i> , 2017, 139, 13830-13836.	13.7	97
12	Structural basis for halogenation by iron- and 2-oxo-glutarate-dependent enzyme WelO5. <i>Nature Chemical Biology</i> , 2016, 12, 636-640.	8.0	115