

Boubacar A Kountche

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

569
citations

623734

14
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	The apocarotenoid metabolite zaxinone regulates growth and strigolactone biosynthesis in rice. <i>Nature Communications</i> , 2019, 10, 810.	12.8	113
2	Suicidal germination as a control strategy for <i>Striga hermonthica</i> (Benth.) in smallholder farms of sub-Saharan Africa. <i>Plants People Planet</i> , 2019, 1, 107-118.	3.3	70
3	Methyl phenlactonoates are efficient strigolactone analogs with simple structure. <i>Journal of Experimental Botany</i> , 2018, 69, 2319-2331.	4.8	50
4	Structural basis for specific inhibition of the highly sensitive Sh HTL 7 receptor. <i>EMBO Reports</i> , 2018, 19, .	4.5	47
5	Development of a pearl millet <i>Striga</i> -resistant genepool: Response to five cycles of recurrent selection under <i>Striga</i> -infested field conditions in West Africa. <i>Field Crops Research</i> , 2013, 154, 82-90.	5.1	41
6	Construction of a genetic map for pearl millet, <i>Pennisetum glaucum</i> (L.) R. Br., using a genotyping-by-sequencing (GBS) approach. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	39
7	3-Hydroxycarlactone, a Novel Product of the Strigolactone Biosynthesis Core Pathway. <i>Molecular Plant</i> , 2018, 11, 1312-1314.	8.3	38
8	Current progress in <i>Striga</i> management. <i>Plant Physiology</i> , 2021, 185, 1339-1352.	4.8	37
9	Efficient Mimics for Elucidating Zaxinone Biology and Promoting Agricultural Applications. <i>Molecular Plant</i> , 2020, 13, 1654-1661.	8.3	24
10	Nitro-Phenlactone, a Carlactone Analog with Pleiotropic Strigolactone Activities. <i>Molecular Plant</i> , 2016, 9, 1341-1344.	8.3	22
11	SeedQuant: a deep learning-based tool for assessing stimulant and inhibitor activity on root parasitic seeds. <i>Plant Physiology</i> , 2021, 186, 1632-1644.	4.8	21
12	Effect of the strigolactone analogs methyl phenlactonoates on spore germination and root colonization of arbuscular mycorrhizal fungi. <i>Heliyon</i> , 2018, 4, e00936.	3.2	20
13	Methylation at the C-3 in D-Ring of Strigolactone Analogs Reduces Biological Activity in Root Parasitic Plants and Rice. <i>Frontiers in Plant Science</i> , 2019, 10, 353.	3.6	20
14	A New Series of Carlactonoic Acid Based Strigolactone Analogs for Fundamental and Applied Research. <i>Frontiers in Plant Science</i> , 2020, 11, 434.	3.6	19
15	A PLETHORA/PIN-FORMED/auxin network mediates prehaustorium formation in the parasitic plant <i>Striga hermonthica</i> . <i>Plant Physiology</i> , 2022, 189, 2281-2297.	4.8	7
16	Effect of D-ring C-3 methylation of strigolactone analogs on their transcription regulating activity in rice. <i>Plant Signaling and Behavior</i> , 2019, 14, 1668234.	2.4	1