

Karin Kleigrew

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

2,993
citations

16
h-index

30
g-index

30
ext. papers

4,027
ext. citations

9.7
avg, IF

4.21
L-index

#	Paper	IF	Citations
29	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016 , 34, 828-837	44.5	1566
28	Deciphering the cryptic genome: genome-wide analyses of the rice pathogen <i>Fusarium fujikuroi</i> reveal complex regulation of secondary metabolism and novel metabolites. <i>PLoS Pathogens</i> , 2013 , 9, e1003475	7.6	321
27	FfVel1 and FfLae1, components of a velvet-like complex in <i>Fusarium fujikuroi</i> , affect differentiation, secondary metabolism and virulence. <i>Molecular Microbiology</i> , 2010 , 77, 972-94	4.1	204
26	Biosynthesis of the red pigment bikaverin in <i>Fusarium fujikuroi</i> : genes, their function and regulation. <i>Molecular Microbiology</i> , 2009 , 72, 931-46	4.1	186
25	Biosynthesis of fusarubins accounts for pigmentation of <i>Fusarium fujikuroi</i> perithecia. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 4468-80	4.8	140
24	Combining Mass Spectrometric Metabolic Profiling with Genomic Analysis: A Powerful Approach for Discovering Natural Products from Cyanobacteria. <i>Journal of Natural Products</i> , 2015 , 78, 1671-82	4.9	106
23	Genetic manipulation of the <i>Fusarium fujikuroi</i> fusarin gene cluster yields insight into the complex regulation and fusarin biosynthetic pathway. <i>Chemistry and Biology</i> , 2013 , 20, 1055-66		92
22	Combinatorial interaction network of abscisic acid receptors and coreceptors from. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10280-10285	11.5	85
21	A new high-performance liquid chromatography-tandem mass spectrometry method based on dispersive solid phase extraction for the determination of the mycotoxin fusarin C in corn ears and processed corn samples. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 10470-6	5.7	40
20	Unique marine derived cyanobacterial biosynthetic genes for chemical diversity. <i>Natural Product Reports</i> , 2016 , 33, 348-64	15.1	36
19	Structure elucidation of new fusarins revealing insights in the rearrangement mechanisms of the <i>Fusarium</i> mycotoxin fusarin C. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 5497-505	5.7	33
18	Genetic engineering, high resolution mass spectrometry and nuclear magnetic resonance spectroscopy elucidate the bikaverin biosynthetic pathway in <i>Fusarium fujikuroi</i> . <i>Fungal Genetics and Biology</i> , 2015 , 84, 26-36	3.9	21
17	Detection of the formyl radical by EPR spin-trapping and mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2018 , 116, 129-133	7.8	17
16	Glycemic Variability Promotes Both Local Invasion and Metastatic Colonization by Pancreatic Ductal Adenocarcinoma. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 6, 429-449	7.9	17
15	Two cGAS-like receptors induce antiviral immunity in <i>Drosophila</i> . <i>Nature</i> , 2021 , 597, 114-118	50.4	17
14	New approach via gene knockout and single-step chemical reaction for the synthesis of isotopically labeled fusarin c as an internal standard for the analysis of this <i>Fusarium</i> mycotoxin in food and feed samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 8350-5	5.7	16
13	Proteome activity landscapes of tumor cell lines determine drug responses. <i>Nature Communications</i> , 2020 , 11, 3639	17.4	16

12	Degradation of brown adipocyte purine nucleotides regulates uncoupling protein 1 activity. <i>Molecular Metabolism</i> , 2018 , 8, 77-85	8.8	15
11	Integrating mass spectrometry and genomics for cyanobacterial metabolite discovery. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 313-24	4.2	15
10	Facile Synthesis of a Croconaine-Based Nanoformulation for Optoacoustic Imaging and Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002115	10.1	15
9	Investigation of the metabolism of ergot alkaloids in cell culture by fourier transformation mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 7798-807	5.7	13
8	Approach for simultaneous cannabidiol isolation and pesticide removal from hemp extracts with liquid-liquid chromatography. <i>Industrial Crops and Products</i> , 2020 , 155, 112726	5.9	10
7	Xanthohumol C, a minor bioactive hop compound: Production, purification strategies and antimicrobial test. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1095, 39-49	3.2	6
6	Croconaine-based nanoparticles enable efficient optoacoustic imaging of murine brain tumors. <i>Photoacoustics</i> , 2021 , 22, 100263	9	4
5	High-Fructose Diet Alters Intestinal Microbial Profile and Correlates with Early Tumorigenesis in a Mouse Model of Barretts Esophagus.. <i>Microorganisms</i> , 2021 , 9,	4.9	1
4	DIAMetAlyzer allows automated false-discovery rate-controlled analysis for data-independent acquisition in metabolomics.. <i>Nature Communications</i> , 2022 , 13, 1347	17.4	1
3	Neuronal HSF-1 coordinates the propagation of fat desaturation across tissues to enable adaptation to high temperatures in <i>C. elegans</i> . <i>PLoS Biology</i> , 2021 , 19, e3001431	9.7	0
2	Anti-inflammatory chemoprevention attenuates the phenotype in a mouse model of esophageal adenocarcinoma. <i>Carcinogenesis</i> , 2021 , 42, 1068-1078	4.6	0
1	Microbial-Derived Metabolites Induce Epithelial Recovery Via the Sting Pathway in Mice and Men and Protect from Graft-Versus-Host Disease. <i>Blood</i> , 2021 , 138, 87-87	2.2	