

Karin Kleigrew

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,803
citations

394421

19
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

7435
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	17.5	2,802
2	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.	4.7	406
3	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, 972-994.	2.5	234
4	Biosynthesis of the red pigment bikaverin in <i>Fusarium fujikuroi</i> : genes, their function and regulation. <i>Molecular Microbiology</i> , 2009, 72, 931-946.	2.5	209
5	Biosynthesis of Fusarubins Accounts for Pigmentation of <i>Fusarium fujikuroi</i> Perithecia. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4468-4480.	3.1	169
6	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, 1671-1682.	3.0	156
7	Combinatorial interaction network of abscisic acid receptors and coreceptors from <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10280-10285.	7.1	142
8	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, 1055-1066.	6.0	107
9	Two cGAS-like receptors induce antiviral immunity in <i>Drosophila</i> . <i>Nature</i> , 2021, 597, 114-118.	27.8	84
10	Unique marine derived cyanobacterial biosynthetic genes for chemical diversity. <i>Natural Product Reports</i> , 2016, 33, 348-364.	10.3	56
11	Proteome activity landscapes of tumor cell lines determine drug responses. <i>Nature Communications</i> , 2020, 11, 3639.	12.8	47
12	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, 10470-10476.	5.2	45
13	Integrating mass spectrometry and genomics for cyanobacterial metabolite discovery. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 313-324.	3.0	45
14	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, 5497-5505.	5.2	39
15	Facile Synthesis of a Croconaine-Based Nanoformulation for Optoacoustic Imaging and Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002115.	7.6	34
16	Detection of the formyl radical by EPR spin-trapping and mass spectrometry. <i>Free Radical Biology and Medicine</i> , 2018, 116, 129-133.	2.9	31
17	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.	2.1	27
18	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.	4.5	22

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19	Approach for simultaneous cannabidiol isolation and pesticide removal from hemp extracts with liquid-liquid chromatography. <i>Industrial Crops and Products</i> , 2020, 155, 112726.	5.2	22
20	Degradation of brown adipocyte purine nucleotides regulates uncoupling protein 1 activity. <i>Molecular Metabolism</i> , 2018, 8, 77-85.	6.5	21
21	Croconaine-based nanoparticles enable efficient optoacoustic imaging of murine brain tumors. <i>Photoacoustics</i> , 2021, 22, 100263.	7.8	19
22	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 Fusarium Mycotoxin in Food and Feed Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8350-8355.	5.2	18
23	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.	5.6	15
24	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, 7798-7807.	5.2	13
25	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.	2.3	13
26	DIAMetAlyzer allows automated false-discovery rate-controlled analysis for data-independent acquisition in metabolomics. <i>Nature Communications</i> , 2022, 13, 1347.	12.8	11
27	High-Fructose Diet Alters Intestinal Microbial Profile and Correlates with Early Tumorigenesis in a Mouse Model of Barrett's Esophagus. <i>Microorganisms</i> , 2021, 9, 2432.	3.6	7
28	Ring Trial on Quantitative Assessment of Bile Acids Reveals a Method- and Analyte-Specific Accuracy and Reproducibility. <i>Metabolites</i> , 2022, 12, 583.	2.9	5
29	Anti-inflammatory chemoprevention attenuates the phenotype in a mouse model of esophageal adenocarcinoma. <i>Carcinogenesis</i> , 2021, 42, 1068-1078.	2.8	4
30	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.	1.4	0