

Sotirios C Kampranis

List of Publications by Year in descending order

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56
papers

3,576
citations

136885

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57
docs citations

57
times ranked

4165
citing authors

#	ARTICLE	IF	CITATIONS
1	FGF-2 Regulates Cell Proliferation, Migration, and Angiogenesis through an NDY1/KDM2B-miR-101-EZH2 Pathway. <i>Molecular Cell</i> , 2011, 43, 285-298.	4.5	213
2	A Novel Plant Glutathione S-Transferase/Peroxidase Suppresses Bax Lethality in Yeast. <i>Journal of Biological Chemistry</i> , 2000, 275, 29207-29216.	1.6	211
3	Rational Conversion of Substrate and Product Specificity in a <i>Salvia</i> Monoterpene Synthase: Structural Insights into the Evolution of Terpene Synthase Function. <i>Plant Cell</i> , 2007, 19, 1994-2005.	3.1	204
4	Engineering Monoterpene Production in Yeast Using a Synthetic Dominant Negative Geranyl Diphosphate Synthase. <i>ACS Synthetic Biology</i> , 2014, 3, 298-306.	1.9	178
5	Conversion of DNA gyrase into a conventional type II topoisomerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 14416-14421.	3.3	151
6	A model for the mechanism of strand passage by DNA gyrase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8414-8419.	3.3	138
7	Ndy1/KDM2B immortalizes mouse embryonic fibroblasts by repressing the <i>Ink4a</i> / <i>Arf</i> locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2641-2646.	3.3	123
8	Members of a family of JmjC domain-containing oncoproteins immortalize embryonic fibroblasts via a JmjC domain-dependent process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1907-1912.	3.3	116
9	Carnosic acid biosynthesis elucidated by a synthetic biology platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3681-3686.	3.3	115
10	Differential Roles of Tau Class Glutathione S-Transferases in Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2004, 279, 24540-24551.	1.6	108
11	Transforming yeast peroxisomes into microfactories for the efficient production of high-value isoprenoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31789-31799.	3.3	108
12	The DNA Gyrase-Quinolone Complex. <i>Journal of Biological Chemistry</i> , 1998, 273, 22615-22626.	1.6	105
13	Histone methylation and acetylation in macrophages as a mechanism for regulation of inflammatory responses. <i>Journal of Cellular Physiology</i> , 2018, 233, 6495-6507.	2.0	104
14	Efficient diterpene production in yeast by engineering Erg20p into a geranylgeranyl diphosphate synthase. <i>Metabolic Engineering</i> , 2015, 27, 65-75.	3.6	101
15	Improving yeast strains using recyclable integration cassettes, for the production of plant terpenoids. <i>Microbial Cell Factories</i> , 2011, 10, 4.	1.9	100
16	Probing the Binding of Coumarins and Cyclothialidines to DNA Gyrase. <i>Biochemistry</i> , 1999, 38, 1967-1976.	1.2	94
17	Phototrophic production of heterologous diterpenoids and a hydroxy-functionalized derivative from <i>Chlamydomonas reinhardtii</i> . <i>Metabolic Engineering</i> , 2018, 49, 116-127.	3.6	91
18	Engineered protein degradation of farnesyl pyrophosphate synthase is an effective regulatory mechanism to increase monoterpene production in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2018, 47, 83-93.	3.6	89

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19	Synthesis of 11-carbon terpenoids in yeast using protein and metabolic engineering. <i>Nature Chemical Biology</i> , 2018, 14, 1090-1098.	3.9	75
20	The application of the CRISPR-Cas9 genome editing machinery in food and agricultural science: Current status, future perspectives, and associated challenges. <i>Biotechnology Advances</i> , 2019, 37, 410-421.	6.0	74
21	Orthogonal monoterpenoid biosynthesis in yeast constructed on an isomeric substrate. <i>Nature Communications</i> , 2019, 10, 3799.	5.8	71
22	Coordinated Regulation of miR-155 and miR-146a Genes during Induction of Endotoxin Tolerance in Macrophages. <i>Journal of Immunology</i> , 2015, 195, 5750-5761.	0.4	70
23	Towards Elucidating Carnosic Acid Biosynthesis in Lamiaceae: Functional Characterization of the Three First Steps of the Pathway in <i>Salvia fruticosa</i> and <i>Rosmarinus officinalis</i> . <i>PLoS ONE</i> , 2015, 10, e0124106.	1.1	67
24	Reconstructing the chemical diversity of labdane-type diterpene biosynthesis in yeast. <i>Metabolic Engineering</i> , 2015, 28, 91-103.	3.6	66
25	Old Yellow Enzymes, Highly Homologous FMN Oxidoreductases with Modulating Roles in Oxidative Stress and Programmed Cell Death in Yeast. <i>Journal of Biological Chemistry</i> , 2007, 282, 36010-36023.	1.6	61
26	DEVELOPING A YEAST CELL FACTORY FOR THE PRODUCTION OF TERPENOID. <i>Computational and Structural Biotechnology Journal</i> , 2012, 3, e201210006.	1.9	59
27	Chapter 4 Histone Demethylases and Cancer. <i>Advances in Cancer Research</i> , 2009, 102, 103-169.	1.9	57
28	Conformational Changes in DNA Gyrase Revealed by Limited Proteolysis. <i>Journal of Biological Chemistry</i> , 1998, 273, 22606-22614.	1.6	55
29	Iterative carotenogenic screens identify combinations of yeast gene deletions that enhance sclareol production. <i>Microbial Cell Factories</i> , 2015, 14, 60.	1.9	51
30	Positive genetic interactors of HMG2 identify a new set of genetic perturbations for improving sesquiterpene production in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2012, 11, 162.	1.9	48
31	Combined metabolome and transcriptome profiling provides new insights into diterpene biosynthesis in <i>S. pomifera</i> glandular trichomes. <i>BMC Genomics</i> , 2015, 16, 935.	1.2	43
32	The interaction of DNA gyrase with the bacterial toxin CcdB: evidence for the existence of two gyrase-CcdB complexes 1 Edited by I. B. Holland. <i>Journal of Molecular Biology</i> , 1999, 293, 733-744.	2.0	40
33	Antioxidant Small Molecules Confer Variable Protection against Oxidative Damage in Yeast Mutants. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11740-11751.	2.4	32
34	Epigenetic and Transcriptional Regulation of IRAK-M Expression in Macrophages. <i>Journal of Immunology</i> , 2017, 198, 1297-1307.	0.4	30
35	Integrating pathway elucidation with yeast engineering to produce polypunonic acid the precursor of the anti-obesity agent celastrol. <i>Microbial Cell Factories</i> , 2020, 19, 15.	1.9	29
36	Hydrolysis of ATP at Only One GyrB Subunit Is Sufficient to Promote Supercoiling by DNA Gyrase. <i>Journal of Biological Chemistry</i> , 1998, 273, 26305-26309.	1.6	27

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37	Diatom isoprenoids: Advances and biotechnological potential. <i>Biotechnology Advances</i> , 2019, 37, 107417.	6.0	25
38	Use of the de novo transcriptome analysis of silver-leaf nightshade (<i>Solanum elaeagnifolium</i>) to identify gene expression changes associated with wounding and terpene biosynthesis. <i>BMC Genomics</i> , 2015, 16, 504.	1.2	24
39	The epigenetic factor KDM2B regulates cell adhesion, small rho GTPases, actin cytoskeleton and migration in prostate cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 587-597.	1.9	23
40	Neorigioltriol and Related Diterpenes from the Red Alga <i>Laurencia</i> Inhibit Inflammatory Bowel Disease in Mice by Suppressing M1 and Promoting M2-Like Macrophage Responses. <i>Marine Drugs</i> , 2019, 17, 97.	2.2	22
41	Disulfides with Anti-inflammatory Activity from the Brown Alga <i>Dictyopteris membranacea</i> . <i>Journal of Natural Products</i> , 2016, 79, 584-589.	1.5	20
42	Production of the forskolin precursor 11 β -hydroxy-manoyl oxide in yeast using surrogate enzymatic activities. <i>Microbial Cell Factories</i> , 2016, 15, 46.	1.9	18
43	The Epigenetic Factor KDM2B Regulates EMT and Small GTPases in Colon Tumor Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 368-377.	1.1	18
44	A GPCR-based yeast biosensor for biomedical, biotechnological, and point-of-use cannabinoid determination. <i>Nature Communications</i> , 2022, 13, .	5.8	17
45	The Downregulation of GFI1 by the EZH2-NDY1/KDM2B-JARID2 Axis and by Human Cytomegalovirus (HCMV) Associated Factors Allows the Activation of the HCMV Major IE Promoter and the Transition to Productive Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004136.	2.1	16
46	Overcoming the plasticity of plant specialized metabolism for selective diterpene production in yeast. <i>Scientific Reports</i> , 2017, 7, 8855.	1.6	16
47	Isoprenoid biosynthesis in the diatom <i>Haslea ostrearia</i> . <i>New Phytologist</i> , 2019, 222, 230-243.	3.5	16
48	Expression of Bax in yeast affects not only the mitochondria but also vacuolar integrity and intracellular protein traffic. <i>FEBS Letters</i> , 2004, 566, 100-104.	1.3	14
49	Yeast mutants resistant to Bax lethality reveal distinct vacuolar and mitochondrial alterations. <i>Cell Death and Differentiation</i> , 2004, 11, 946-948.	5.0	9
50	Thuwalallenes A and Thuwalenynes C: New C15 Acetogenins with Anti-Inflammatory Activity from a Saudi Arabian Red Sea <i>Laurencia</i> sp.. <i>Marine Drugs</i> , 2019, 17, 644.	2.2	9
51	The histone demethylase KDM2B activates FAK and PI3K that control tumor cell motility. <i>Cancer Biology and Therapy</i> , 2020, 21, 533-540.	1.5	8
52	Collagen-Containing Fish Sidestream-Derived Protein Hydrolysates Support Skin Repair via Chemokine Induction. <i>Marine Drugs</i> , 2021, 19, 396.	2.2	6
53	Disulfides from the Brown Alga <i>Dictyopteris membranacea</i> Suppress M1 Macrophage Activation by Inducing AKT and Suppressing MAPK/ERK Signaling Pathways. <i>Marine Drugs</i> , 2020, 18, 527.	2.2	5
54	Identification of Structural Elements of the Lysine Specific Demethylase 2B CxxC Domain Associated with Replicative Senescence Bypass in Primary Mouse Cells. <i>Protein Journal</i> , 2020, 39, 232-239.	0.7	3

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55	Abstract 108: FGF-2 regulates cell proliferation, migration and angiogenesis through a novel NDY1/KDM2B-miR101-EZH2 pathway. , 2011, , .		1
56	A Chromatin-Associated Histone H3 Demethylase Promotes the Immortalization of MEFs and the Cycling of HSC-Like Cells in Culture.. Blood, 2007, 110, 96-96.	0.6	0