Manjula sunkara

List of Publications by Year
in descending order

76	3,291	109264 35	155592 55
papers	citations	h-index	g-index

80	80	80	5043
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relationship between serum trimethylamine N-oxide and exposure to dioxin-like pollutants. Environmental Research, 2018, 162, 211-218.	3.7	12
2	Lipid phosphate phosphatase 3 regulates adipocyte sphingolipid synthesis, but not developmental adipogenesis or diet-induced obesity in mice. PLoS ONE, 2018, 13, e0198063.	1.1	10
3	Spoxazomicin D and Oxachelin C, Potent Neuroprotective Carboxamides from the Appalachian Coal Fire-Associated Isolate Streptomyces sp. RM-14-6. Journal of Natural Products, 2017, 80, 2-11.	1.5	45
4	Identification of Neuroprotective Spoxazomicin and Oxachelin Glycosides via Chemoenzymatic Glycosyl-Scanning. Journal of Natural Products, 2017, 80, 12-18.	1.5	6
5	Curcumin Acrylation for Biological and Environmental Applications. Journal of Natural Products, 2017, 80, 1964-1971.	1.5	12
6	Synthesis and Characterization of Thermoresponsive Hydrogels Based on N-Isopropylacrylamide Crosslinked with 4,4â€²-Dihydroxybiphenyl Diacrylate. ACS Omega, 2017, 2, 8723-8729.	1.6	28
7	Abstract 452: Activation of Akt pathway and autophagy promotes resistance to FASN inhibition in colorectal cancer patient-derived xenograft models. , 2017, , .		0
8	Functional AdoMet Isosteres Resistant to Classical AdoMet Degradation Pathways. ACS Chemical Biology, 2016, 11, 2484-2491.	1.6	36
9	Dioxin-like pollutants increase hepatic flavin containing monooxygenase (FMO3) expression to promote synthesis of the pro-atherogenic nutrient biomarker trimethylamine N-oxide from dietary precursors. Journal of Nutritional Biochemistry, 2016, 33, 145-153.	1.9	33
10	Steroid binding to Autotaxin links bile salts and lysophosphatidic acid signalling. Nature Communications, 2016, 7, 11248.	5.8	74
11	Exercise protects against PCB-induced inflammation and associated cardiovascular risk factors. Environmental Science and Pollution Research, 2016, 23, 2201-2211.	2.7	22
12	Novel Bone-Targeting Agent for Enhanced Delivery of Vancomycin to Bone. Antimicrobial Agents and Chemotherapy, 2016, 60, 1865-1868.	1.4	11
13	Elevated Glutathione Is Not Sufficient to Protect against Doxorubicin-Induced Nuclear Damage in Heart in Multidrug Resistanceâ€“Associated Protein 1 (Mrp1/Abcc1) Null Mice. Journal of Pharmacology and Experimental Therapeutics, 2015, 355, 272-279.	1.3	18
14	Effects of Adipocyte Aryl Hydrocarbon Receptor Deficiency on PCB-Induced Disruption of Glucose Homeostasis in Lean and Obese Mice. Environmental Health Perspectives, 2015, 123, 944-950.	2.8	55
15	Pharmacological Elevation of Circulating Bioactive Phosphosphingolipids Enhances Myocardial Recovery After Acute Infarction. Stem Cells Translational Medicine, 2015, 4, 1333-1343.	1.6	26
16	The Biosynthesis of Capuramycin-type Antibiotics. Journal of Biological Chemistry, 2015, 290, 13710-13724.	1.6	28
17	Increasing Adipocyte Lipoprotein Lipase Improves Glucose Metabolism in High Fat Diet-induced Obesity. Journal of Biological Chemistry, 2015, 290, 11547-11556.	1.6	50
18	Terfestatins B and C, New p-Terphenyl Glycosides Produced by Streptomyces sp. RM-5â€“8. Organic Letters, 2015, 17, 2796-2799.	2.4	42

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19	ORMDL/serine palmitoyltransferase stoichiometry determines effects of ORMDL3 expression on sphingolipid biosynthesis. Journal of Lipid Research, 2015, 56, 898-908.	2.0	55
20	Loss of Multidrug Resistanceâ€“Associated Protein 1 Potentiates Chronic Doxorubicin-Induced Cardiac Dysfunction in Mice. Journal of Pharmacology and Experimental Therapeutics, 2015, 355, 280-287.	1.3	19
21	Regulation of de novo sphingolipid biosynthesis by the ORMDL proteins and sphingosine kinase-1. Advances in Biological Regulation, 2015, 57, 42-54.	1.4	33
22	The native production of the sesquiterpene isopterocarpolone byStreptomycessp. RM-14-6. Natural Product Research, 2014, 28, 337-339.	1.0	17
23	Bisphenol A Increases Atherosclerosis in Pregnane X Receptorâ€Humanized ApoE Deficient Mice. Journal of the American Heart Association, 2014, 3, e000492.	1.6	58
24	A Simple Strategy for Glycosyltransferaseâ€Catalyzed Aminosugar Nucleotide Synthesis. ChemBioChem, 2014, 15, 647-651.	1.3	18
25	Venturicidin C, a new 20-membered macrolide produced by Streptomyces sp. TS-2-2. Journal of Antibiotics, 2014, 67, 223-230.	1.0	33
26	Mice With Targeted Inactivation of Ppap2b in Endothelial and Hematopoietic Cells Display Enhanced Vascular Inflammation and Permeability. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 837-845.	1.1	81
27	Granule cargo release from bone marrow-derived cells sustains cardiac hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1529-H1538.	1.5	1
28	Autophagy and oxidative stress in gliomas with IDH1 mutations. Acta Neuropathologica, 2014, 127, 221-233.	3.9	68
29	Green tea diet decreases PCB 126-induced oxidative stress in mice by up-regulating antioxidant enzymes. Journal of Nutritional Biochemistry, 2014, 25, 126-135.	1.9	69
30	Facile Chemoenzymatic Strategies for the Synthesis and Utilization of Sâ€Adenosylâ€<scp>L</scp>â€Methionine Analogues. Angewandte Chemie - International Edition, 2014, 53, 3965-3969.	7.2	120
31	Mullinamides A and B, new cyclopeptides produced by the Ruth Mullins coal mine fire isolate Streptomyces sp. RM-27-46. Journal of Antibiotics, 2014, 67, 571-575.	1.0	31
32	Understanding molecular recognition of promiscuity of thermophilic methionine adenosyltransferase s<scp>MAT</scp> from SulfolobusÂsolfataricus. FEBS Journal, 2014, 281, 4224-4239.	2.2	36
33	Effect of Procysteine on aging-associated changes in hepatic GSH and SMase: evidence for transcriptional regulation of smpd3. Journal of Lipid Research, 2014, 55, 2041-2052.	2.0	15
34	Granule-mediated release of sphingosine-1-phosphate by activated platelets. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1581-1589.	1.2	36
35	Design and synthesis of non-hydrolyzable homoisoprenoid Î±-monofluorophosphonate inhibitors of PPAPDC family integral membrane lipid phosphatases. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4414-4417.	1.0	1
36	Frenolicins Câ€“G, Pyranonaphthoquinones from Streptomyces sp. RM-4-15. Journal of Natural Products, 2013, 76, 1441-1447.	1.5	62

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37	A Diastereoselective Oxa-Pictetâ€“Spengler-Based Strategy for (+)-Frenolicin B and epi-(+)-Frenolicin B Synthesis. Organic Letters, 2013, 15, 5566-5569.	2.4	30
38	Herbimycins Dâ€“F, Ansamycin Analogues from Streptomyces sp. RM-7-15. Journal of Natural Products, 2013, 76, 1619-1626.	1.5	37
39	Bioactive Lipids and Cationic Antimicrobial Peptides as New Potential Regulators for Trafficking of Bone Marrow-Derived Stem Cells in Patients with Acute Myocardial Infarction. Stem Cells and Development, 2013, 22, 1645-1656.	1.1	51
40	Lipid Phosphate Phosphatase 3 Negatively Regulates Smooth Muscle Cell Phenotypic Modulation to Limit Intimal Hyperplasia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 52-59.	1.1	46
41	Resveratrol protects against polychlorinated biphenyl-mediated impairment of glucose homeostasis in adipocytes. Journal of Nutritional Biochemistry, 2013, 24, 2168-2174.	1.9	42
42	Efficient Use of Exogenous Isoprenols for Protein Isoprenylation by MDA-MB-231 Cells Is Regulated Independently of the Mevalonate Pathway*. Journal of Biological Chemistry, 2013, 288, 27444-27455.	1.6	15
43	Structural and Functional Characterization of CalS11, a TDP-Rhamnose 3â€²-O-Methyltransferase Involved in Calicheamicin Biosynthesis. ACS Chemical Biology, 2013, 8, 1632-1639.	1.6	12
44	Ubiquitination of PIPKIÎ³90 by HECTD1 regulates focal adhesion dynamics and cell migration. Journal of Cell Science, 2013, 126, 2617-28.	1.2	51
45	Coplanar Polychlorinated Biphenyls Impair Glucose Homeostasis in Lean C57BL/6 Mice and Mitigate Beneficial Effects of Weight Loss on Glucose Homeostasis in Obese Mice. Environmental Health Perspectives, 2013, 121, 105-110.	2.8	105
46	Mechanism of rapid elimination of lysophosphatidic acid and related lipids from the circulation of mice. Journal of Lipid Research, 2013, 54, 2775-2784.	2.0	65
47	Ceramide-1-Phosphate Regulates Migration of Multipotent Stromal Cells and Endothelial Progenitor Cellsâ€”Implications for Tissue Regeneration. Stem Cells, 2013, 31, 500-510.	1.4	82
48	Syntheses of deuterium labeled prenyldiphosphate and prenylcysteine analogues for in vivo mass spectrometric quantification. Journal of Labelled Compounds and Radiopharmaceuticals, 2013, 56, 370-375.	0.5	4
49	Role of ABCC1 in protecting the heart against doxorubicin (DOX)â€induced oxidative stress. FASEB Journal, 2013, 27, lb616.	0.2	0
50	The proâ€cysteine drug, Lâ€2â€Oxothiazolidineâ€4â€carboxylic acid (OTC) is a novel inducer of nSMase2 mRNA and protein expression in the liver. FASEB Journal, 2013, 27, 813.3.	0.2	0
51	Characterization of secretory sphingomyelinase activity, lipoprotein sphingolipid content and LDL aggregation in ldlrâ^'/â^' mice fed on a high-fat diet. Bioscience Reports, 2012, 32, 479-490.	1.1	35
52	Conditioning for hematopoietic transplantation activates the complement cascade and induces a proteolytic environment in bone marrow: a novel role for bioactive lipids and soluble C5b-C9 as homing factors. Leukemia, 2012, 26, 106-116.	3.3	115
53	Autotaxin and Its Product Lysophosphatidic Acid Suppress Brown Adipose Differentiation and Promote Diet-Induced Obesity in Mice. Molecular Endocrinology, 2012, 26, 786-797.	3.7	59
54	The absence of ABCD2 sensitizes mice to disruptions in lipid metabolism by dietary erucic acid. Journal of Lipid Research, 2012, 53, 1071-1079.	2.0	27

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55	Inhibition of Fatty Acid Synthase Attenuates CD44-Associated Signaling and Reduces Metastasis in Colorectal Cancer. Cancer Research, 2012, 72, 1504-1517.	0.4	162
56	Synergistic Effect of Anemia and Red Blood Cells Transfusion on Inflammation and Lung Injury. Advances in Hematology, 2012, 2012, 1-8.	0.6	7
57	Sphingosine 1-Phosphate (S1P) Regulates Glucose-stimulated Insulin Secretion in Pancreatic Beta Cells. Journal of Biological Chemistry, 2012, 287, 13457-13464.	1.6	83
58	C6 pyridinium ceramide influences alternative pre-mRNA splicing by inhibiting protein phosphatase-1. Nucleic Acids Research, 2012, 40, 4025-4039.	6.5	22
59	The Transporter Spns2 Is Required for Secretion of Lymph but Not Plasma Sphingosine-1-Phosphate. Cell Reports, 2012, 2, 1104-1110.	2.9	148
60	Biosynthesis of alkyl lysophosphatidic acid by diacylglycerol kinases. Biochemical and Biophysical Research Communications, 2012, 422, 758-763.	1.0	12
61	Lack of lipid phosphate phosphataseâ€3 in embryonic stem cells compromises neuronal differentiation and neurite outgrowth. Developmental Dynamics, 2012, 241, 953-964.	0.8	13
62	Epigallocatechin-gallate stimulates NF-E2-related factor and heme oxygenase-1 via caveolin-1 displacement. Journal of Nutritional Biochemistry, 2012, 23, 163-168.	1.9	53
63	The P2Y12 Antagonists, 2MeSAMP and Cangrelor, Inhibit Platelet Activation through P2Y12/Gi-Dependent Mechanism. PLoS ONE, 2012, 7, e51037.	1.1	16
64	Abstract 4971: The oncometabolite (R)-2-hydroxyglutarate modulates stress-induced caspase activity in glioma cells. , 2012, , .		0
65	Novel Role for Bioactive Lipids in Mobilization of Bone Marrow Stem Cells During Myocardial Ischemia: Sphingosine-1 Phosphate (S1P) As Potential Therapeutic Target. Blood, 2012, 120, 1911-1911.	0.6	0
66	PIPKIÎ³ Regulates Focal Adhesion Dynamics and Colon Cancer Cell Invasion. PLoS ONE, 2011, 6, e24775.	1.1	38
67	Plasma levels of sphingosine 1-phosphate are strongly correlated with haematocrit, but variably restored by red blood cell transfusions. Clinical Science, 2011, 121, 565-572.	1.8	60
68	Omega-3 fatty acid oxidation products prevent vascular endothelial cell activation by coplanar polychlorinated biphenyls. Toxicology and Applied Pharmacology, 2011, 251, 41-49.	1.3	61
69	Expression of LPP3 in Bergmann glia is required for proper cerebellar sphingosineâ€1â€phosphate metabolism/signaling and development. Glia, 2011, 59, 577-589.	2.5	30
70	Binding of Autotaxin to Integrins Localizes Lysophosphatidic Acid Production to Platelets and Mammalian Cells. Journal of Biological Chemistry, 2011, 286, 34654-34663.	1.6	131
71	A Phosphatidic Acid Binding/Nuclear Localization Motif Determines Lipin1 Function in Lipid Metabolism and Adipogenesis. Molecular Biology of the Cell, 2010, 21, 3171-3181.	0.9	69
72	Boronic acid-based inhibitor of autotaxin reveals rapid turnover of LPA in the circulation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7257-7262.	3.3	182

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73	Functional Characterization of the Atypical Integral Membrane Lipid Phosphatase PDP1/PPAPDC2 Identifies a Pathway for Interconversion of Isoprenols and Isoprenoid Phosphates in Mammalian Cells. Journal of Biological Chemistry, 2010, 285, 13918-13929.	1.6	27
74	Phase II pharmaceutical metabolites acetaminophen glucuronide and acetaminophen sulfate in wastewater. Environmental Chemistry, 2010, 7, 111.	0.7	11
75	Discovery, Biological Evaluation, and Structureâ^'Activity Relationship of Amidine Based Sphingosine Kinase Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 2766-2778.	2.9	58
76	Bioactive products generated by Group V sPLA2 hydrolysis of LDL activate macrophages to secrete pro-inflammatory cytokines. Cytokine, 2010, 50, 50-57.	1.4	16