

Srilatha Sakamuru

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,375
citations

279798

23
h-index

315739

38
g-index

39
all docs

39
docs citations

39
times ranked

3799
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of known drugs that act as inhibitors of NF- κ B signaling and their mechanism of action. <i>Biochemical Pharmacology</i> , 2010, 79, 1272-1280.	4.4	214
2	Modelling the Tox21 10 \times 10 ⁴ chemical profiles for in vivo toxicity prediction and mechanism characterization. <i>Nature Communications</i> , 2016, 7, 10425.	12.8	202
3	Chemical Genomics Profiling of Environmental Chemical Modulation of Human Nuclear Receptors. <i>Environmental Health Perspectives</i> , 2011, 119, 1142-1148.	6.0	189
4	Development and Validation of a Computational Model for Androgen Receptor Activity. <i>Chemical Research in Toxicology</i> , 2017, 30, 946-964.	3.3	163
5	Analysis of Eight Oil Spill Dispersants Using Rapid, In Vitro Tests for Endocrine and Other Biological Activity. <i>Environmental Science & Technology</i> , 2010, 44, 5979-5985.	10.0	162
6	Existing drugs as broad-spectrum and potent inhibitors for Zika virus by targeting NS2B-NS3 interaction. <i>Cell Research</i> , 2017, 27, 1046-1064.	12.0	153
7	Mitochondrial Membrane Potential Assay. <i>Methods in Molecular Biology</i> , 2016, 1473, 17-22.	0.9	150
8	Tox21 Challenge to Build Predictive Models of Nuclear Receptor and Stress Response Pathways as Mediated by Exposure to Environmental Chemicals and Drugs. <i>Frontiers in Environmental Science</i> , 2016, 3, .	3.3	106
9	High-throughput genotoxicity assay identifies antioxidants as inducers of DNA damage response and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5423-5428.	7.1	104
10	Identification of Clinically Used Drugs That Activate Pregnane X Receptors. <i>Drug Metabolism and Disposition</i> , 2011, 39, 151-159.	3.3	91
11	Population-Based <i>in Vitro</i> Hazard and Concentration-Response Assessment of Chemicals: The 1000 Genomes High-Throughput Screening Study. <i>Environmental Health Perspectives</i> , 2015, 123, 458-466.	6.0	89
12	Application of a homogenous membrane potential assay to assess mitochondrial function. <i>Physiological Genomics</i> , 2012, 44, 495-503.	2.3	77
13	Systematic Study of Mitochondrial Toxicity of Environmental Chemicals Using Quantitative High Throughput Screening. <i>Chemical Research in Toxicology</i> , 2013, 26, 1323-1332.	3.3	72
14	Cell-Based High-Throughput Screening for Aromatase Inhibitors in the Tox21 10K Library. <i>Toxicological Sciences</i> , 2015, 147, 446-457.	3.1	61
15	Erythrosin B is a potent and broad-spectrum orthosteric inhibitor of the flavivirus NS2B-NS3 protease. <i>Antiviral Research</i> , 2018, 150, 217-225.	4.1	61
16	Characterization of three human cell line models for high-throughput neuronal cytotoxicity screening. <i>Journal of Applied Toxicology</i> , 2017, 37, 167-180.	2.8	49
17	Characterization of environmental chemicals with potential for DNA damage using isogenic DNA repair-deficient chicken DT40 cell lines. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 547-561.	2.2	47
18	Identification of Modulators That Activate the Constitutive Androstane Receptor From the Tox21 10K Compound Library. <i>Toxicological Sciences</i> , 2019, 167, 282-292.	3.1	42

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19	Identification of repurposed small molecule drugs for chordoma therapy. <i>Cancer Biology and Therapy</i> , 2013, 14, 638-647.	3.4	32
20	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , 2018, 4, 1727-1741.	11.3	32
21	Pyrazole-4-Carboxamide (YW2065): A Therapeutic Candidate for Colorectal Cancer via Dual Activities of Wnt/ β^2 -Catenin Signaling Inhibition and AMP-Activated Protein Kinase (AMPK) Activation. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 11151-11164.	6.4	28
22	AroER Tri-Screen Is a Biologically Relevant Assay for Endocrine Disrupting Chemicals Modulating the Activity of Aromatase and/or the Estrogen Receptor. <i>Toxicological Sciences</i> , 2014, 139, 198-209.	3.1	27
23	Methylene blue is a potent and broad-spectrum inhibitor against Zika virus <i>in vitro</i> and <i>in vivo</i> . <i>Emerging Microbes and Infections</i> , 2020, 9, 2404-2416.	6.5	26
24	Mining of high throughput screening database reveals AP-1 and autophagy pathways as potential targets for COVID-19 therapeutics. <i>Scientific Reports</i> , 2021, 11, 6725.	3.3	25
25	Identifying environmental chemicals as agonists of the androgen receptor by using a quantitative high-throughput screening platform. <i>Toxicology</i> , 2017, 385, 48-58.	4.2	24
26	A Novel Chemotherapeutic Agent to Treat Tumors with DNA Mismatch Repair Deficiencies. <i>Cancer Research</i> , 2016, 76, 4183-4191.	0.9	21
27	Characterization of human pregnane X receptor activators identified from a screening of the Tox21 compound library. <i>Biochemical Pharmacology</i> , 2021, 184, 114368.	4.4	19
28	Pharmacological rescue in patient iPSC and mouse models with a rare DISC1 mutation. <i>Nature Communications</i> , 2021, 12, 1398.	12.8	17
29	Triazole-Based Inhibitors of the Wnt/ β^2 -Catenin Signaling Pathway Improve Glucose and Lipid Metabolisms in Diet-Induced Obese Mice. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 727-741.	6.4	16
30	Predictive Models to Identify Small Molecule Activators and Inhibitors of Opioid Receptors. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2675-2685.	5.4	14
31	Development of Robust Quantitative Structure-Activity Relationship Models for CYP2C9, CYP2D6, and CYP3A4 Catalysis and Inhibition. <i>Drug Metabolism and Disposition</i> , 2021, 49, 822-832.	3.3	14
32	Identification of known drugs targeting the endoplasmic reticulum stress response. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5343-5351.	3.7	11
33	Synthesis and evaluation of quinazolin-4-ones as hypoxia-inducible factor-1 α inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5239-5243.	2.2	10
34	Identification of compounds that modulate retinol signaling using a cell-based qHTS assay. <i>Toxicology in Vitro</i> , 2016, 32, 287-296.	2.4	8
35	HTS-Compatible β^2 -Lactamase Transcriptional Reporter Gene Assay for Interrogating the Heat Shock Response Pathway. <i>Current Chemical Genomics</i> , 2009, 3, 1-6.	2.0	8
36	Using β^2 -Lactamase and NanoLuc Luciferase Reporter Gene Assays to Identify Inhibitors of the HIF-1 Signaling Pathway. <i>Methods in Molecular Biology</i> , 2016, 1473, 23-31.	0.9	4

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37	Identification and Profiling of Environmental Chemicals That Inhibit the TGF β ² /SMAD Signaling Pathway. <i>Chemical Research in Toxicology</i> , 2019, 32, 2433-2444.	3.3	4
38	Reply to Kojo: Mechanisms of antioxidant-induced DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2029-E2029.	7.1	1