

Sudin Bhattacharya

List of Publications by Year in Descending Order

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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.

35
papers

1,733
citations

15
h-index

41
g-index

45
ext. papers

2,102
ext. citations

5.4
avg, IF

4.25
L-index

#	Paper	IF	Citations
35	Modeling the influence of cell-cell contact and TGF- β signaling on the epithelial mesenchymal transition in MCF7 breast carcinoma cells. <i>Journal of Theoretical Biology</i> , 2022 , 111160	2.3	
34	Phenotypic Changes in T Cell and Macrophage Subtypes in Perivascular Adipose Tissues Precede High-Fat Diet-Induced Hypertension. <i>Frontiers in Physiology</i> , 2021 , 12, 616055	4.6	3
33	CATMoS: Collaborative Acute Toxicity Modeling Suite. <i>Environmental Health Perspectives</i> , 2021 , 129, 47013	8.4	14
32	Bioengineering of Genetically Encoded Gene Promoter Repressed by the Flavonoid Apigenin for Constructing Intracellular Sensor for Molecular Events. <i>Biosensors</i> , 2021 , 11,	5.9	1
31	Single-Nuclei RNA Sequencing Assessment of the Hepatic Effects of 2,3,7,8-Tetrachlorodibenzo-p-dioxin. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 11, 147-159	7.9	7
30	Pregnancy-specific physiologically-based toxicokinetic models for bisphenol A and bisphenol S. <i>Environment International</i> , 2021 , 147, 106301	12.9	6
29	Gene co-regulation and co-expression in the aryl hydrocarbon receptor-mediated transcriptional regulatory network in the mouse liver. <i>Archives of Toxicology</i> , 2020 , 94, 113-126	5.8	8
28	Blood pressure changes PVAT function and transcriptome: use of the mid-thoracic aorta coarcted rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H1313-H1324	5.2	2
27	Identifying qualitative differences in PPAR β signaling networks in human and rat hepatocytes and their significance for next generation chemical risk assessment methods. <i>Toxicology in Vitro</i> , 2020 , 64, 104463	3.6	7
26	Embracing Systems Toxicology at Single-Cell Resolution. <i>Current Opinion in Toxicology</i> , 2019 , 16, 49-57	4.4	10
25	The role of cellular contact and TGF-beta signaling in the activation of the epithelial mesenchymal transition (EMT). <i>Cell Adhesion and Migration</i> , 2019 , 13, 63-75	3.2	7
24	Bridging the Data Gap From Toxicity Testing to Chemical Safety Assessment Through Computational Modeling. <i>Frontiers in Public Health</i> , 2018 , 6, 261	6	24
23	Identification of a unique gene expression signature in mercury and 2,3,7,8-tetrachlorodibenzo--dioxin co-exposed cells. <i>Toxicology Research</i> , 2017 , 6, 312-323	2.6	6
22	Aryl Hydrocarbon Receptor Activation Suppresses EBF1 and PAX5 and Impairs Human B Lymphopoiesis. <i>Journal of Immunology</i> , 2017 , 199, 3504-3515	5.3	16
21	A Theoretical Model of the Wnt Signaling Pathway in the Epithelial Mesenchymal Transition. <i>Theoretical Biology and Medical Modelling</i> , 2017 , 14, 19	2.3	12
20	Adaptive Posttranslational Control in Cellular Stress Response Pathways and Its Relationship to Toxicity Testing and Safety Assessment. <i>Toxicological Sciences</i> , 2015 , 147, 302-16	4.4	46
19	A map of the PPAR β transcription regulatory network for primary human hepatocytes. <i>Chemico-Biological Interactions</i> , 2014 , 209, 14-24	5	79

18	Molecular signaling network motifs provide a mechanistic basis for cellular threshold responses. <i>Environmental Health Perspectives</i> , 2014 , 122, 1261-70	8.4	51
17	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013 , 87, 1315-530	5.8	837
16	All-or-none suppression of B cell terminal differentiation by environmental contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 2013 , 268, 17-26	4.6	14
15	Ultrasensitive response motifs: basic amplifiers in molecular signalling networks. <i>Open Biology</i> , 2013 , 3, 130031	7	116
14	Modeling drug- and chemical-induced hepatotoxicity with systems biology approaches. <i>Frontiers in Physiology</i> , 2012 , 3, 462	4.6	48
13	Role of Core Biological Motifs in DoseResponse Modeling: An Example with Switchlike Circuits 2011 , 147-173		
12	A deterministic map of Waddington's epigenetic landscape for cell fate specification. <i>BMC Systems Biology</i> , 2011 , 5, 85	3.5	84
11	Toxicity testing in the 21 century: defining new risk assessment approaches based on perturbation of intracellular toxicity pathways. <i>PLoS ONE</i> , 2011 , 6, e20887	3.7	148
10	A bistable switch underlying B-cell differentiation and its disruption by the environmental contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicological Sciences</i> , 2010 , 115, 51-65	4.4	33
9	Computational systems biology and dose-response modeling in relation to new directions in toxicity testing. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2010 , 13, 253-76	8.6	42
8	Stochastic modeling of B lymphocyte terminal differentiation and its suppression by dioxin. <i>BMC Systems Biology</i> , 2010 , 4, 40	3.5	19
7	Molecular Dynamics Simulation Study of Growth Regimes during Polycondensation of Silicic Acid: from Silica Nanoparticles to Porous Gels. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1764-1771	3.8	35
6	Fractal dimensions of silica gels generated using reactive molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2005 , 122, 094715	3.9	40
5	Computational Systems Biology Modeling of Dosimetry and Cellular Response Pathways155-173		
4	Gene Coregulation and Coexpression in the Aryl Hydrocarbon Receptor-mediated Transcriptional Regulatory Network in the Mouse Liver		1
3	Gene and Protein Expression Modeling Nested Motifs in Cellular and Tissue Response Networks219-233		1
2	Bistable Signaling Motifs and Cell Fate Decisions181-198		1
1	Ultrasensitive Response Motifs in Biochemical Networks199-217		2

