

James P Sluka

List of Publications by Year in descending order

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32
papers

1,568
citations

394390

19
h-index

552766

26
g-index

35
all docs

35
docs citations

35
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational modelling of nephron progenitor cell movement and aggregation during kidney organogenesis. <i>Mathematical Biosciences</i> , 2022, 344, 108759.	1.9	3
2	Multiscale Model of Antiviral Timing, Potency, and Heterogeneity Effects on an Epithelial Tissue Patch Infected by SARS-CoV-2. <i>Viruses</i> , 2022, 14, 605.	3.3	8
3	Using digital twins in viral infection. <i>Science</i> , 2021, 371, 1105-1106.	12.6	73
4	Mitochondrial depolarization and repolarization in the early stages of acetaminophen hepatotoxicity in mice. <i>Toxicology</i> , 2020, 439, 152464.	4.2	7
5	A computational model of liver tissue damage and repair. <i>PLoS ONE</i> , 2020, 15, e0243451.	2.5	9
6	A computational model of liver tissue damage and repair. , 2020, 15, e0243451.		0
7	A computational model of liver tissue damage and repair. , 2020, 15, e0243451.		0
8	A computational model of liver tissue damage and repair. , 2020, 15, e0243451.		0
9	A computational model of liver tissue damage and repair. , 2020, 15, e0243451.		0
10	Learning Everywhere: Pervasive Machine Learning for Effective High-Performance Computation. , 2019, , .		28
11	The 2019 mathematical oncology roadmap. <i>Physical Biology</i> , 2019, 16, 041005.	1.8	147
12	Spatial Temporal Analysis of Fieldwise Flow in Microvasculature. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	6
13	A simple automated method for continuous fieldwise measurement of microvascular hemodynamics. <i>Microvascular Research</i> , 2019, 123, 7-13.	2.5	10
14	Modeling of xenobiotic transport and metabolism in virtual hepatic lobule models. <i>PLoS ONE</i> , 2018, 13, e0198060.	2.5	28
15	Formalizing knowledge in multi-scale agent-based simulations. , 2016, 16, 115-122.		1
16	Multiscale Modeling in the Clinic: Drug Design and Development. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2591-2610.	2.5	50
17	A Liver-Centric Multiscale Modeling Framework for Xenobiotics. <i>PLoS ONE</i> , 2016, 11, e0162428.	2.5	44
18	Toxicokinetic Triage for Environmental Chemicals. <i>Toxicological Sciences</i> , 2015, 147, 55-67.	3.1	117

#	ARTICLE	IF	CITATIONS
19	The cell behavior ontology: describing the intrinsic biological behaviors of real and model cells seen as active agents. <i>Bioinformatics</i> , 2014, 30, 2367-2374.	4.1	35
20	Fabricating microfluidic valve master molds in SU-8 photoresist. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 057001.	2.6	29
21	Decreased Expression Of apM1 in Omental and Subcutaneous Adipose Tissue of Humans With Type 2 Diabetes. <i>International Journal of Experimental Diabetes Research</i> , 2000, 1, 81-88.	1.1	185
22	Nucleophilic aromatic substitution on 3-aryyl-2-arylbenzothiophenes. Rapid access to raloxifene and other selective estrogen receptor modulators. <i>Tetrahedron Letters</i> , 1999, 40, 675-678.	1.4	27
23	Novel nonsteroidal selective estrogen receptor modulators. Carbon and heteroatom replacement of oxygen in the ethoxypiperidine region of raloxifene. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 523-528.	2.2	10
24	Reversal of resistance in multidrug resistance protein (MRP1)-overexpressing cells by LY329146. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 3381-3386.	2.2	34
25	Analysis of differential gene expression in rat tibia after an osteogenic stimulus in vivo: Mechanical loading regulates osteopontin and myeloperoxidase. <i>Journal of Cellular Biochemistry</i> , 1998, 68, 355-365.	2.6	33
26	Synthesis and Pharmacology of Conformationally Restricted Raloxifene Analogues: Highly Potent Selective Estrogen Receptor Modulators. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 1272-1283.	6.4	125
27	Molecular determinants of tissue selectivity in estrogen receptor modulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 14105-14110.	7.1	246
28	Benzopyran selective estrogen receptor modulators (SERMs): Pharmacological effects and structural correlation with raloxifene. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 903-908.	2.2	20
29	Orientation of the putative recognition helix in the DNA-binding domain of Hin recombinase complexed with the Hix site. <i>Biochemistry</i> , 1990, 29, 6561-6567.	2.5	45
30	Reagents and methods for the solid-phase synthesis of protein-EDTA for use in affinity cleaving. <i>Journal of the American Chemical Society</i> , 1990, 112, 6369-6374.	13.7	28
31	Importance of minor-groove contacts for the recognition of DNA by the binding domain of Hin recombinase. <i>Biochemistry</i> , 1990, 29, 6551-6561.	2.5	69
32	Synthesis of a sequence-specific DNA-cleaving peptide. <i>Science</i> , 1987, 238, 1129-1132.	12.6	150