James P Sluka

List of Publications by Year
in descending order

32 papers	1,568 citations	489802 18 h-index	651938 25 g-index
35 all docs	35 docs citations	35 times ranked	2023 citing authors

#	Article	IF	Citations
1	Computational modelling of nephron progenitor cell movement and aggregation during kidney organogenesis. Mathematical Biosciences, 2022, 344, 108759.	0.9	3
2	Multiscale Model of Antiviral Timing, Potency, and Heterogeneity Effects on an Epithelial Tissue Patch Infected by SARS-CoV-2. Viruses, 2022, 14, 605.	1.5	8
3	Using digital twins in viral infection. Science, 2021, 371, 1105-1106.	6.0	73
4	Mitochondrial depolarization and repolarization in the early stages of acetaminophen hepatotoxicity in mice. Toxicology, 2020, 439, 152464.	2.0	7
5	A computational model of liver tissue damage and repair. PLoS ONE, 2020, 15, e0243451.	1.1	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. Physical Biology, 2019, 16, 041005.	0.8	147
12	Spatial Temporal Analysis of Fieldwise Flow in Microvasculature. Journal of Visualized Experiments, 2019, , .	0.2	6
13	A simple automated method for continuous fieldwise measurement of microvascular hemodynamics. Microvascular Research, 2019, 123, 7-13.	1.1	10
14	Modeling of xenobiotic transport and metabolism in virtual hepatic lobule models. PLoS ONE, 2018, 13, e0198060.	1.1	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. Annals of Biomedical Engineering, 2016, 44, 2591-2610.	1.3	50
17	A Liver-Centric Multiscale Modeling Framework for Xenobiotics. PLoS ONE, 2016, 11, e0162428.	1.1	44
18	Toxicokinetic Triage for Environmental Chemicals. Toxicological Sciences, 2015, 147, 55-67.	1.4	117

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19	The cell behavior ontology: describing the intrinsic biological behaviors of real and model cells seen as active agents. Bioinformatics, 2014, 30, 2367-2374.	1.8	35
20	Fabricating microfluidic valve master molds in SU-8 photoresist. Journal of Micromechanics and Microengineering, 2014, 24, 057001.	1.5	29
21	Decreased Expression Of apM1 in Omental and Subcutaneous Adipose Tissue of Humans With Type 2 Diabetes. International Journal of Experimental Diabetes Research, 2000, 1, 81-88.	1.0	185
22	Nucleophilic aromatic substitution on 3-aroyl-2-arylbenzothiophenes. Rapid access to raloxifene and other selective estrogen receptor modulators. Tetrahedron Letters, 1999, 40, 675-678.	0.7	27
23	Novel nonsteroidal selective estrogen receptor modulators. Carbon and heteroatom replacement of oxygen in the ethoxypiperidine region of raloxifene. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 523-528.	1.0	10
24	Reversal of resistance in multidrug resistance protein (MRP1)-overexpressing cells by LY329146. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 3381-3386.	1.0	34
25	Analysis of differential gene expression in rat tibia after an osteogenic stimulus in vivo: Mechanical loading regulates osteopontin and myeloperoxidase. , 1998, 68, 355-365.		33
26	Synthesis and Pharmacology of Conformationally Restricted Raloxifene Analogues:â€‰ Highly Potent Selective Estrogen Receptor Modulators. Journal of Medicinal Chemistry, 1998, 41, 1272-1283.	2.9	125
27	Molecular determinants of tissue selectivity in estrogen receptor modulators. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14105-14110.	3.3	246
28	Benzopyran selective estrogen receptor modulators (SERMs): Pharmacological effects and structural correlation with raloxifene. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 903-908.	1.0	20
29	Orientation of the putative recognition helix in the DNA-binding domain of Hin recombinase complexed with the Hix site. Biochemistry, 1990, 29, 6561-6567.	1.2	45
30	Reagents and methods for the solid-phase synthesis of protein-EDTA for use in affinity cleaving. Journal of the American Chemical Society, 1990, 112, 6369-6374.	6.6	28
31	Importance of minor-groove contacts for the recognition of DNA by the binding domain of Hin recombinase. Biochemistry, 1990, 29, 6551-6561.	1.2	69
32	Synthesis of a sequence-specific DNA-cleaving peptide. Science, 1987, 238, 1129-1132.	6.0	150