

# Vincent Jo Davisson

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

617  
citations

759233

12  
h-index

580821

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1024  
citing authors

#	ARTICLE	IF	CITATIONS
1	The crystal structure of GMP synthetase reveals a novel catalytic triad and is a structural paradigm for two enzyme families. <i>Nature Structural Biology</i> , 1996, 3, 74-86.	9.7	209
2	Adaptive silver films for surface-enhanced Raman spectroscopy of biomolecules. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 648-656.	2.5	60
3	Differential Mitochondrial Toxicity Screening and Multi-Parametric Data Analysis. <i>PLoS ONE</i> , 2012, 7, e45226.	2.5	39
4	Detection and Relative Quantification of Proteins by Surface Enhanced Raman Using Isotopic Labels. <i>Journal of the American Chemical Society</i> , 2008, 130, 9624-9625.	13.7	28
5	Preliminary x-ray analysis of <i>Escherichia coli</i> GMP synthetase: Determination of anomalous scattering factors for a cysteinyl mercury derivative. <i>Proteins: Structure, Function and Bioinformatics</i> , 1994, 18, 394-403.	2.6	24
6	Targeting the Hsp90 C-terminal domain to induce allosteric inhibition and selective client downregulation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1992-2006.	2.4	23
7	Characterization of lovastatin- $\alpha$ -docosahexaenoate anticancer properties against breast cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1899-1908.	3.0	20
8	Molecular Probing of the HPV-16 E6 Protein Alpha Helix Binding Groove with Small Molecule Inhibitors. <i>PLoS ONE</i> , 2016, 11, e0149845.	2.5	19
9	Fluorogenic Transformations Based on Formation of C-F Bonds Catalyzed by Palladium: An Efficient Approach for High Throughput Optimizations and Kinetic Studies. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 71-75.	4.3	18
10	Biased signaling downstream of epidermal growth factor receptor regulates proliferative versus apoptotic response to ligand. <i>Cell Death and Disease</i> , 2018, 9, 976.	6.3	18
11	Flexibility of PCNA-Protein Interface Accommodates Differential Binding Partners. <i>PLoS ONE</i> , 2014, 9, e102481.	2.5	17
12	Phenotypic Prioritization of Diphyllin Derivatives That Block Filoviral Cell Entry by Vacuolar (H <sup>+</sup> )-ATPase Inhibition. <i>ChemMedChem</i> , 2018, 13, 2664-2676.	3.2	14
13	Considerations of Protein Subpockets in Fragment-Based Drug Design. <i>Chemical Biology and Drug Design</i> , 2016, 87, 5-20.	3.2	13
14	Sequence Analysis of the <i>Candida albicans</i> ADE2 Gene and Physical Separation of the Two Functionally Distinct Domains of the Phosphoribosylaminoimidazole Carboxylase. <i>Yeast</i> , 1997, 13, 769-776.	1.7	12
15	Accurate Concentration Measurements Using Surface-Enhanced Raman and Deuterium Exchanged Dye Pairs. <i>Applied Spectroscopy</i> , 2008, 62, 1001-1007.	2.2	12
16	Conformational changes involving ammonia tunnel formation and allosteric control in GMP synthetase. <i>Archives of Biochemistry and Biophysics</i> , 2014, 545, 22-32.	3.0	12
17	Selective Inhibition of STAT3 Phosphorylation Using a Nuclear-Targeted Kinase Inhibitor. <i>ACS Chemical Biology</i> , 2017, 12, 2371-2378.	3.4	12
18	Identification of specific metabolic pathways as druggable targets regulating the sensitivity to cyanide poisoning. <i>PLoS ONE</i> , 2018, 13, e0193889.	2.5	12

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19	Discovery of Inhibitors for Proliferating Cell Nuclear Antigen Using a Computational-Based Linked-Multiple-Fragment Screen. ACS Omega, 2019, 4, 15181-15196.	3.5	11
20	Multiplexed concentration quantification using isotopic surface-enhanced resonance Raman scattering. Journal of Raman Spectroscopy, 2010, 41, 752-757.	2.5	10
21	Multimeric Rhodamine Dye-Induced Aggregation of Silver Nanoparticles for Surface-Enhanced Raman Scattering. ACS Omega, 2019, 4, 140-145.	3.5	10
22	Quantification of Isotope Encoded Proteins in 2-D Gels Using Surface Enhanced Resonance Raman. Bioconjugate Chemistry, 2008, 19, 2212-2220.	3.6	7
23	Evaluation of Phenol-Substituted Diphyllin Derivatives as Selective Antagonists for Ebola Virus Entry. ACS Infectious Diseases, 2022, 8, 942-957.	3.8	6
24	A Chemogenomic Screening Platform Used to Identify Chemotypes Perturbing HSP90 Pathways. SLAS Discovery, 2017, 22, 706-719.	2.7	4
25	Glyoxylate protects against cyanide toxicity through metabolic modulation. Scientific Reports, 2022, 12, 4982.	3.3	4
26	Translation of a Protease Turnover Assay for Clinical Discrimination of Mucinous Pancreatic Cysts. Diagnostics, 2022, 12, 1343.	2.6	2
27	Approaches to tracking and targeting drug interactions in living systems. FASEB Journal, 2006, 20, A941.	0.5	0