

# Adam T Melvin

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

355  
citations

759233

12  
h-index

839539

18  
g-index

28  
all docs

28  
docs citations

28  
times ranked

507  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Cargo Identity Alters the Uptake of Cell-Penetrating Peptide (CPP)/Cargo Complexes: A Study on the Effect of Net Cargo Charge and Length. <i>Cells</i> , 2022, 11, 1195.	4.1	7
2	Characterization of PMI-5011 on the regulation of deubiquitinating enzyme activity in multiple myeloma cell extracts. <i>Biochemical Engineering Journal</i> , 2021, 166, 107834.	3.6	1
3	Kinetic analysis of cellular internalization and expulsion of unstructured Dâ€chirality cell penetrating peptides. <i>AIChE Journal</i> , 2021, 67, .	3.6	4
4	Fluorescent visualization of oil displacement in a microfluidic device for enhanced oil recovery applications. <i>Analyst, The</i> , 2021, 146, 6746-6752.	3.5	2
5	Development of a Flow-free Gradient Generator Using a Self-Adhesive Thiol-acrylate Microfluidic Resin/Hydrogel (TAMR/H) Hybrid System. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26735-26747.	8.0	12
6	Simultaneous Droplet Generation with In-Series Droplet T-Junctions Induced by Gravity-Induced Flow. <i>Micromachines</i> , 2021, 12, 1211.	2.9	4
7	Catalytic Enhancement of Inductively Heated Fe <sub>3</sub> O <sub>4</sub> Nanoparticles by Removal of Surface Ligands. <i>ChemSusChem</i> , 2021, 14, 1122-1130.	6.8	8
8	Direct Probing of Fe <sub>3</sub> O <sub>4</sub> Nanoparticle Surface Temperatures during Magnetic Heating: Implications for Induction Catalysis. <i>ACS Applied Nano Materials</i> , 2021, 4, 13778-13787.	5.0	9
9	Evaluation of intercellular communication between breast cancer cells and adipose-derived stem cells <i>via</i> passive diffusion in a two-layer microfluidic device. <i>Lab on A Chip</i> , 2020, 20, 2009-2019.	6.0	21
10	Photoluminescence detection of symmetry transformations in low-dimensional ferroelectric ABO <sub>3</sub> perovskites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10767-10773.	5.5	7
11	Lignin-graft-PLGA drug-delivery system improves efficacy of MEK1/2 inhibitors in triple-negative breast cancer cell line. <i>Nanomedicine</i> , 2020, 15, 981-1000.	3.3	19
12	Dipole-Modulated Downconversion Nanoparticles as Label-Free Biological Sensors. <i>ACS Sensors</i> , 2020, 5, 29-33.	7.8	9
13	Synthesis and characterization of thiolâ€acrylate hydrogels using a baseâ€catalyzed Michael addition for 3D cell culture applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2294-2307.	3.4	19
14	Microfabrication of low-cost customisable counting chambers for standardised estimation of sperm concentration. <i>Reproduction, Fertility and Development</i> , 2020, 32, 873.	0.4	9
15	Direct measurement of deubiquitinating enzyme activity in intact cells using a protease-resistant, cell-permeable, peptide-based reporter. <i>Biochemical Engineering Journal</i> , 2019, 151, 107320.	3.6	10
16	Static microdroplet array generated by spraying and analyzed with automated microscopy and image processing. <i>Analytical Biochemistry</i> , 2019, 587, 113452.	2.4	2
17	Effects of Weak Electric Field on the Photoluminescence Behavior of Bi <sup>3+</sup> -Doped YVO <sub>4</sub> :Eu <sup>3+</sup> Coreâ€Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13027-13035.	3.1	16
18	FluoroCellTrack: An algorithm for automated analysis of high-throughput droplet microfluidic data. <i>PLoS ONE</i> , 2019, 14, e0215337.	2.5	22

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19	Population-based analysis of cell-penetrating peptide uptake using a microfluidic droplet trapping array. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2729-2741.	3.7	18
20	Luminescent nanomaterials for droplet tracking in a microfluidic trapping array. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 157-170.	3.7	17
21	CPProtectides: Rapid uptake of well-folded $\beta$ -hairpin peptides with enhanced resistance to intracellular degradation. <i>Peptide Science</i> , 2019, 111, e24092.	1.8	17
22	Microfluidic and Paper-Based Devices for Disease Detection and Diagnostic Research. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2731.	4.1	49
23	Biophysical analysis of fluid shear stress induced cellular deformation in a microfluidic device. <i>Biomicrofluidics</i> , 2018, 12, 054109.	2.4	16
24	A microfluidic device for motility and osmolality analysis of zebrafish sperm. <i>Biomedical Microdevices</i> , 2018, 20, 67.	2.8	14
25	Development of $\beta$ -Hairpin Peptides for the Measurement of SCF-Family E3 Ligase Activity in Vitro via Ornithine Ubiquitination. <i>ACS Omega</i> , 2017, 2, 1198-1206.	3.5	4
26	Identification of a p53-based portable degron based on the MDM2-p53 binding region. <i>Analyst, The</i> , 2016, 141, 570-578.	3.5	5
27	Measuring Activity in the Ubiquitin-Proteasome System: From Large Scale Discoveries to Single Cells Analysis. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 75-89.	1.8	22
28	A Comparative Analysis of the Ubiquitination Kinetics of Multiple Degrons to Identify an Ideal Targeting Sequence for a Proteasome Reporter. <i>PLoS ONE</i> , 2013, 8, e78082.	2.5	12