Adam T Melvin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7412686/publications.pdf

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28	355	759233 12	839539 18
papers	citations	h-index	g-index

28	28	28	507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microfluidic and Paper-Based Devices for Disease Detection and Diagnostic Research. International Journal of Molecular Sciences, 2018, 19, 2731.	4.1	49
2	Measuring Activity in the Ubiquitinâ€“Proteasome System: From Large Scale Discoveries to Single Cells Analysis. Cell Biochemistry and Biophysics, 2013, 67, 75-89.	1.8	22
3	FluoroCellTrack: An algorithm for automated analysis of high-throughput droplet microfluidic data. PLoS ONE, 2019, 14, e0215337.	2.5	22
4	Evaluation of intercellular communication between breast cancer cells and adipose-derived stem cells via passive diffusion in a two-layer microfluidic device. Lab on A Chip, 2020, 20, 2009-2019.	6.0	21
5	Lignin-graft-PLGA drug-delivery system improves efficacy of MEK1/2 inhibitors in triple-negative breast cancer cell line. Nanomedicine, 2020, 15, 981-1000.	3.3	19
6	Synthesis and characterization of thiolâ€acrylate hydrogels using a baseâ€catalyzed Michael addition for 3D cell culture applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2294-2307.	3.4	19
7	Population-based analysis of cell-penetrating peptide uptake using a microfluidic droplet trapping array. Analytical and Bioanalytical Chemistry, 2019, 411, 2729-2741.	3.7	18
8	Luminescent nanomaterials for droplet tracking in a microfluidic trapping array. Analytical and Bioanalytical Chemistry, 2019, 411, 157-170.	3.7	17
9	CPProtectides: Rapid uptake of wellâ€folded Î²â€hairpin peptides with enhanced resistance to intracellular degradation. Peptide Science, 2019, 111, e24092.	1.8	17
10	Biophysical analysis of fluid shear stress induced cellular deformation in a microfluidic device. Biomicrofluidics, 2018, 12, 054109.	2.4	16
11	Effects of Weak Electric Field on the Photoluminescence Behavior of Bi³⁺-Doped YVO₄:Eu³⁺ Coreâ€“Shell Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 13027-13035.	3.1	16
12	A microfluidic device for motility and osmolality analysis of zebrafish sperm. Biomedical Microdevices, 2018, 20, 67.	2.8	14
13	Development of a Flow-free Gradient Generator Using a Self-Adhesive Thiol-acrylate Microfluidic Resin/Hydrogel (TAMR/H) Hybrid System. ACS Applied Materials & Interfaces, 2021, 13, 26735-26747.	8.0	12
14	A Comparative Analysis of the Ubiquitination Kinetics of Multiple Degrons to Identify an Ideal Targeting Sequence for a Proteasome Reporter. PLoS ONE, 2013, 8, e78082.	2.5	12
15	Direct measurement of deubiquitinating enzyme activity in intact cells using a protease-resistant, cell-permeable, peptide-based reporter. Biochemical Engineering Journal, 2019, 151, 107320.	3.6	10
16	Dipole-Modulated Downconversion Nanoparticles as Label-Free Biological Sensors. ACS Sensors, 2020, 5, 29-33.	7.8	9
17	Microfabrication of low-cost customisable counting chambers for standardised estimation of sperm concentration. Reproduction, Fertility and Development, 2020, 32, 873.	0.4	9
18	Direct Probing of Fe₃O₄ Nanoparticle Surface Temperatures during Magnetic Heating: Implications for Induction Catalysis. ACS Applied Nano Materials, 2021, 4, 13778-13787.	5.0	9

#	Article	IF	Citations
19	Catalytic Enhancement of Inductively Heated Fe₃O₄ Nanoparticles by Removal of Surface Ligands. ChemSusChem, 2021, 14, 1122-1130.	6.8	8
20	Photoluminescence detection of symmetry transformations in low-dimensional ferroelectric ABO₃perovskites. Journal of Materials Chemistry C, 2020, 8, 10767-10773.	5.5	7
21	How Cargo Identity Alters the Uptake of Cell-Penetrating Peptide (CPP)/Cargo Complexes: A Study on the Effect of Net Cargo Charge and Length. Cells, 2022, 11, 1195.	4.1	7
22	Identification of a p53-based portable degron based on the MDM2-p53 binding region. Analyst, The, 2016, 141, 570-578.	3.5	5
23	Development of Î²-Hairpin Peptides for the Measurement of SCF-Family E3 Ligase Activity in Vitro via Ornithine Ubiquitination. ACS Omega, 2017, 2, 1198-1206.	3.5	4
24	Kinetic analysis of cellular internalization and expulsion of unstructured Dâ€chirality cell penetrating peptides. AIChE Journal, 2021, 67, .	3.6	4
25	Simultaneous Droplet Generation with In-Series Droplet T-Junctions Induced by Gravity-Induced Flow. Micromachines, 2021, 12, 1211.	2.9	4
26	Static microdroplet array generated by spraying and analyzed with automated microscopy and image processing. Analytical Biochemistry, 2019, 587, 113452.	2.4	2
27	Fluorescent visualization of oil displacement in a microfluidic device for enhanced oil recovery applications. Analyst, The, 2021, 146, 6746-6752.	3.5	2
28	Characterization of PMI-5011 on the regulation of deubiquitinating enzyme activity in multiple myeloma cell extracts. Biochemical Engineering Journal, 2021, 166, 107834.	3.6	1