Jered B Haun

List of Publications by Year
in descending order

30 papers	2,164 citations	394421 19 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	3517 citing authors

#	Article	IF	Citations
1	Microfluidic Device Technologies for Digestion, Disaggregation, and Filtration of Tissue Samples for Single Cell Applications. Methods in Molecular Biology, 2022, 2394, 81-92.	0.9	0
2	Optimization of Mechanical Tissue Dissociation Using an Integrated Microfluidic Device for Improved Generation of Single Cells Following Digestion. Frontiers in Bioengineering and Biotechnology, 2022, 10, 841046.	4.1	3
3	Multiplexed Detection of Secreted Cytokines at near-Molecular Resolution Elucidates Macrophage Polarization Heterogeneity. Analytical Chemistry, 2022, 94, 658-668.	6.5	4
4	Microfluidic platform accelerates tissue processing into single cells for molecular analysis and primary culture models. Nature Communications, 2021, 12, 2858.	12.8	29
5	Quantifying and controlling bond multivalency for advanced nanoparticle targeting to cells. Nano Convergence, 2021, 8, 38.	12.1	16
6	Pushing the limits of detection for proteins secreted from single cells using quantum dots. Analyst, The, 2019, 144, 980-989.	3.5	17
7	Microfluidic channel optimization to improve hydrodynamic dissociation of cell aggregates and tissue. Scientific Reports, 2018, 8, 2774.	3.3	33
8	Extracting multivalent detachment rates from heterogeneous nanoparticle populations. Physical Chemistry Chemical Physics, 2018, 20, 21430-21440.	2.8	1
9	Microfluidic filter device with nylon mesh membranes efficiently dissociates cell aggregates and digested tissue into single cells. Lab on A Chip, 2018, 18, 2776-2786.	6.0	24
10	Microfluidic device for rapid digestion of tissues into cellular suspensions. Lab on A Chip, 2017, 17, 3300-3309.	6.0	13
11	Phenotypic Analysis of Stromal Vascular Fraction after Mechanical Shear Reveals Stress-Induced Progenitor Populations. Plastic and Reconstructive Surgery, 2016, 138, 237e-247e.	1.4	62
12	Evolution of Multivalent Nanoparticle Adhesion via Specific Molecular Interactions. Langmuir, 2016, 32, 13124-13136.	3.5	6
13	Macrophage secretion heterogeneity in engineered microenvironments revealed using a microwell platform. Integrative Biology (United Kingdom), 2016, 8, 751-760.	1.3	19
14	Enhancing Reactivity for Bioorthogonal Pretargeting by Unmasking Antibody-Conjugated trans-Cyclooctenes. Bioconjugate Chemistry, 2015, 26, 352-360.	3.6	47
15	Microfluidic device for mechanical dissociation of cancer cell aggregates into single cells. Lab on A Chip, 2015, 15, 339-350.	6.0	42
16	Bioorthogonal chemistries for nanomaterial conjugation and targeting. Nanotechnology Reviews, 2013, 2, 215-227.	5.8	21
17	Probing Intracellular Biomarkers and Mediators of Cell Activation Using Nanosensors and Bioorthogonal Chemistry. ACS Nano, 2011, 5, 3204-3213.	14.6	67
18	Using Engineered Single-Chain Antibodies to Correlate Molecular Binding Properties and Nanoparticle Adhesion Dynamics. Langmuir, 2011, 27, 13701-13712.	3.5	9

#	Article	IF	Citations
19	Molecular Detection of Biomarkers and Cells Using Magnetic Nanoparticles and Diagnostic Magnetic Resonance. Methods in Molecular Biology, 2011, 726, 33-49.	0.9	21
20	Micro-NMR for Rapid Molecular Analysis of Human Tumor Samples. Science Translational Medicine, 2011, 3, 71ra16.	12.4	191
21	Engineering Therapeutic Nanocarriers with Optimal Adhesion for Targeting. Journal of Adhesion, 2010, 86, 131-159.	3.0	8
22	Carboxymethylated Polyvinyl Alcohol Stabilizes Doped Ferrofluids for Biological Applications. Advanced Materials, 2010, 22, 5168-5172.	21.0	59
23	Magnetic nanoparticle biosensors. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 291-304.	6.1	417
24	Bioorthogonal chemistry amplifies nanoparticle binding and enhances the sensitivity of cell detection. Nature Nanotechnology, 2010, 5, 660-665.	31.5	319
25	Tunable Leuko-polymersomes That Adhere Specifically to Inflammatory Markers. Langmuir, 2010, 26, 14089-14096.	3.5	81
26	Fast and Sensitive Pretargeted Labeling of Cancer Cells through a Tetrazine/transâ€Cyclooctene Cycloaddition. Angewandte Chemie - International Edition, 2009, 48, 7013-7016.	13.8	341
27	Quantifying Nanoparticle Adhesion Mediated by Specific Molecular Interactions. Langmuir, 2008, 24, 8821-8832.	3.5	90
28	Leuko-polymersomes. Faraday Discussions, 2008, 139, 129.	3.2	85
29	Interplay between Shear Stress and Adhesion on Neutrophil Locomotion. Biophysical Journal, 2007, 92, 632-640.	0.5	36
30	Neutrophil Traction Stresses are Concentrated in the Uropod during Migration. Biophysical Journal, 2007, 92, L58-L60.	0.5	103