

Yaron R Silberberg

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

318
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational modeling of three-dimensional ECM-rigidity sensing to guide directed cell migration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E390-E399.	7.1	88
2	Cell Invasion Dynamics into a Three Dimensional Extracellular Matrix Fibre Network. PLoS Computational Biology, 2015, 11, e1004535.	3.2	60
3	Oscillating high-aspect-ratio monolithic silicon nanoneedle array enables efficient delivery of functional bio-macromolecules into living cells. Scientific Reports, 2015, 5, 15325.	3.3	57
4	Evaluation of the actin cytoskeleton state using an antibody-functionalized nanoneedle and an AFM. Biosensors and Bioelectronics, 2013, 40, 3-9.	10.1	34
5	Controlled Cell Adhesion Using a Biocompatible Anchor for Membrane-Conjugated Bovine Serum Albumin/Bovine Serum Albumin Mixed Layer. Langmuir, 2013, 29, 6429-6433.	3.5	26
6	A New Cell Separation Method Based on Antibody-Immobilized Nanoneedle Arrays for the Detection of Intracellular Markers. Nano Letters, 2017, 17, 7117-7124.	9.1	25
7	Detection of microtubules in vivo using antibody-immobilized nanoneedles. Journal of Bioscience and Bioengineering, 2014, 117, 107-112.	2.2	17
8	Nanoneedle insertion into the cell nucleus does not induce double-strand breaks in chromosomal DNA. Journal of Bioscience and Bioengineering, 2013, 116, 391-396.	2.2	10
9	Improved efficiency of nanoneedle insertion by modification with a cell-puncturing protein. Japanese Journal of Applied Physics, 2018, 57, 03EB02.	1.5	1
10	Specialized Nanoneedles for Intracellular Analysis. , 2015, , 291-303.		0