

Valeria Caprettini

List of Publications by Year in descending order

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18
papers

748
citations

759233

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996975

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913
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular and Extracellular Recording of Spontaneous Action Potentials in Mammalian Neurons and Cardiac Cells with 3D Plasmonic Nanoelectrodes. <i>Nano Letters</i> , 2017, 17, 3932-3939.	9.1	167
2	Spatially, Temporally, and Quantitatively Controlled Delivery of Broad Range of Molecules into Selected Cells through Plasmonic Nanotubes. <i>Advanced Materials</i> , 2015, 27, 7145-7149.	21.0	93
3	Plasmonic meta-electrodes allow intracellular recordings at network level on high-density CMOS-multi-electrode arrays. <i>Nature Nanotechnology</i> , 2018, 13, 965-971.	31.5	78
4	Cells Adhering to 3D Vertical Nanostructures: Cell Membrane Reshaping without Stable Internalization. <i>Nano Letters</i> , 2018, 18, 6100-6105.	9.1	73
5	Soft electroporation for delivering molecules into tightly adherent mammalian cells through 3D hollow nanoelectrodes. <i>Scientific Reports</i> , 2017, 7, 8524.	3.3	59
6	On-Demand Intracellular Delivery of Single Particles in Single Cells by 3D Hollow Nanoelectrodes. <i>Nano Letters</i> , 2019, 19, 722-731.	9.1	59
7	Enhanced Raman Investigation of Cell Membrane and Intracellular Compounds by 3D Plasmonic Nanoelectrode Arrays. <i>Advanced Science</i> , 2018, 5, 1800560.	11.2	47
8	Cell Membrane Disruption by Vertical Micro-/Nanopillars: Role of Membrane Bending and Traction Forces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29107-29114.	8.0	44
9	Selective intracellular delivery and intracellular recordings combined in MEA biosensors. <i>Lab on A Chip</i> , 2018, 18, 3492-3500.	6.0	34
10	Membrane Poration Mechanisms at the Cell-Nanostructure Interface. <i>Advanced Biology</i> , 2019, 3, e1900148.	3.0	28
11	Live Intracellular Biorthogonal Imaging by Surface Enhanced Raman Spectroscopy using Alkyne-Silver Nanoparticles Clusters. <i>Scientific Reports</i> , 2018, 8, 12652.	3.3	23
12	Synthesis and characterization of different immunogenic viral nanoconstructs from rotavirus VP6 inner capsid protein. <i>International Journal of Nanomedicine</i> , 2014, 9, 2727.	6.7	19
13	Modified three-dimensional nanoantennas for infrared hydrogen detection. <i>Microelectronic Engineering</i> , 2016, 162, 105-109.	2.4	9
14	Biomaterials-based approaches to model embryogenesis. <i>Biomaterials Science</i> , 2020, 8, 6992-7013.	5.4	6
15	A ring-shaped protein clusters gold nanoparticles acting as molecular scaffold for plasmonic surfaces. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129617.	2.4	6
16	SERS spectroscopy, electrical recording and intracellular injection in neuronal networks with 3D plasmonic nanoantennas. , 2016, , .		2
17	Nanoneedle devices for biomedicine. , 2022, , 181-206.		1
18	Coaxial-like three-dimensional nanoelectrodes for biological applications. <i>Microelectronic Engineering</i> , 2018, 187-188, 21-26.	2.4	0