Anja Kunze

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4894751/publications.pdf

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23	666	758635 12	713013 21
papers	citations	h-index	g-index

23	23	23	1340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micropatterning neural cell cultures in 3D with a multi-layered scaffold. Biomaterials, 2011, 32, 2088-2098.	5.7	143
2	Induction of Calcium Influx in Cortical Neural Networks by Nanomagnetic Forces. ACS Nano, 2016, 10, 2331-2341.	7.3	88
3	Advances in high-throughput single-cell microtechnologies. Current Opinion in Biotechnology, 2014, 25, 114-123.	3.3	86
4	Coâ€pathological connected primary neurons in a microfluidic device for alzheimer studies. Biotechnology and Bioengineering, 2011, 108, 2241-2245.	1.7	59
5	Astrocyteâ€“neuron co-culture on microchips based on the model of SOD mutation to mimic ALS. Integrative Biology (United Kingdom), 2013, 5, 964-975.	0.6	54
6	Engineering Cortical Neuron Polarity with Nanomagnets on a Chip. ACS Nano, 2015, 9, 3664-3676.	7.3	49
7	Synergistic NGF/B27 Gradients Position Synapses Heterogeneously in 3D Micropatterned Neural Cultures. PLoS ONE, 2011, 6, e26187.	1.1	28
8	Force-Mediating Magnetic Nanoparticles to Engineer Neuronal Cell Function. Frontiers in Neuroscience, 2018, 12, 299.	1.4	27
9	Flexible and Stretchable Micromagnet Arrays for Tunable Biointerfacing. Advanced Materials, 2015, 27, 1083-1089.	11.1	20
10	Influence of the solvent viscosity on surface graft-polymerization reactions. Polymer, 2007, 48, 4936-4942.	1.8	19
11	The Age of Cortical Neural Networks Affects Their Interactions with Magnetic Nanoparticles. Small, 2016, 12, 3559-3567.	5.2	18
12	Microfluidic hydrogel layers with multiple gradients to stimulate and perfuse three-dimensional neuronal cell cultures. Procedia Chemistry, 2009, 1, 369-372.	0.7	17
13	Modulating motility of intracellular vesicles in cortical neurons with nanomagnetic forces on-chip. Lab on A Chip, 2017, 17, 842-854.	3.1	14
14	Research highlights: microtechnologies for engineering the cellular environment. Lab on A Chip, 2014, 14, 1226.	3.1	11
15	A virtual valve for smooth contamination-free flow switching. Lab on A Chip, 2007, 7, 1111.	3.1	9
16	Research highlights: cell separation at the bench and beyond. Lab on A Chip, 2015, 15, 605-609.	3.1	7
17	Low-cost calcium fluorometry for long-term nanoparticle studies in living cells. Scientific Reports, 2020, 10, 12568.	1.6	5
18	Compartmentalized Microfluidics for In Vitro Alzheimerâ€™s Disease Studies. Neuromethods, 2015, , 197-215.	0.2	5

#	Article	IF	Citations
19	Research highlights: measuring and manipulating cell migration. Lab on A Chip, 2014, 14, 4117-4121.	3.1	3
20	Multi-curvature micropatterns unveil distinct calcium and mitochondrial dynamics in neuronal networks. Lab on A Chip, 2021, 21, 1164-1174.	3.1	2
21	Controlling Vesicle Motion in Cortical Neurons with Magnetic Forces. Biophysical Journal, 2016, 110, 466a.	0.2	1
22	Neural network growth under heterogenous magnetic gradient patterns. , 2019, , .		1
23	Magneto-mechanical manipulation of full-lenght human Tau40 in live-cell neuron cultures. Biophysical Journal, 2022, 121, 436a-437a.	0.2	0