

Simone SchÄ¼rle-Finke

List of Publications by Year in descending order

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33
papers

833
citations

759233

12
h-index

501196

28
g-index

38
all docs

38
docs citations

38
times ranked

1251
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Cell-Based Systems for Smart Cancer Therapy. <i>Advanced Intelligent Systems</i> , 2022, 4, 2100134.	6.1	14
2	Towards Artefact-Free Bio-Impedance Measurements: Evaluation, Identification and Suppression of Artefacts at Multiple Frequencies. <i>IEEE Sensors Journal</i> , 2022, 22, 589-600.	4.7	2
3	Engineering Responsive Ultrasound Contrast Agents Through Crosslinked Networks on Lipid-Shelled Microbubbles. <i>Small</i> , 2022, 18, e2107143.	10.0	4
4	Mixed Reality for an Enhanced Laboratory Course on Microfluidics. <i>Journal of Chemical Education</i> , 2022, 99, 1272-1279.	2.3	6
5	The local soft tissue status and the prediction of local complications following fractures of the ankle region. <i>Injury</i> , 2022, 53, 1789-1795.	1.7	7
6	Magnetic Micro- and Nanoagents for Monitoring Enzymatic Activity In Vivo. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , 2022, 5, 311-333.	11.8	2
7	Assessment of alternative techniques to quantify the effect of injury on soft tissue in closed ankle and pilon fractures. <i>PLoS ONE</i> , 2022, 17, e0268359.	2.5	5
8	3D magnetically controlled spatiotemporal probing and actuation of collagen networks from a single cell perspective. <i>Lab on A Chip</i> , 2021, 21, 3850-3862.	6.0	9
9	Magnetospirillum magneticum as a Living Iron Chelator Induces TfR1 Upregulation and Decreases Cell Viability in Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 498.	4.1	4
10	The Tumor Proteolytic Landscape: A Challenging Frontier in Cancer Diagnosis and Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2514.	4.1	35
11	Capillary Microfluidics for Monitoring Medication Adherence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17784-17796.	13.8	8
12	Facile Manufacturing Route for Magneto-Responsive Soft Actuators. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000283.	6.1	14
13	ImpediSense: A long lasting wireless wearable bio-impedance sensor node. <i>Sustainable Computing: Informatics and Systems</i> , 2021, 30, 100556.	2.2	5
14	Facile Manufacturing Route for Magneto-Responsive Soft Actuators. <i>Advanced Intelligent Systems</i> , 2021, 3, 2170061.	6.1	2
15	Genetic Encoding of Targeted Magnetic Resonance Imaging Contrast Agents for Tumor Imaging. <i>ACS Synthetic Biology</i> , 2020, 9, 392-401.	3.8	19
16	Cellulose-Based Microparticles for Magnetically Controlled Optical Modulation and Sensing. <i>Small</i> , 2020, 16, 1904251.	10.0	9
17	Wireless, Artefact Aware Impedance Sensor Node for Continuous Bio-Impedance Monitoring. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2020, 14, 1122-1134.	4.0	8
18	Living, Self-Replicating Ferrofluids for Fluidic Transport. <i>Advanced Functional Materials</i> , 2020, 30, 2003912.	14.9	13

#	ARTICLE	IF	CITATIONS
19	A Pulsatile Flow System to Engineer Aneurysm and Atherosclerosis Mimetic Extracellular Matrix. <i>Advanced Science</i> , 2020, 7, 2000173.	11.2	17
20	Synthetic and living micropropellers for convection-enhanced nanoparticle transport. <i>Science Advances</i> , 2019, 5, eaav4803.	10.3	109
21	Rethinking human enhancement as collective welfarism. <i>Nature Human Behaviour</i> , 2019, 3, 204-206.	12.0	8
22	Robotically controlled microprey to resolve initial attack modes preceding phagocytosis. <i>Science Robotics</i> , 2017, 2, .	17.6	49
23	Magnetically Actuated Protease Sensors for in Vivo Tumor Profiling. <i>Nano Letters</i> , 2016, 16, 6303-6310.	9.1	45
24	Magnetically actuated and guided milli-gripper for medical applications. , 2015, , .		7
25	Automated capsulorhexis based on a hybrid magnetic-mechanical actuation system. , 2014, , .		21
26	MiniMag: A Hemispherical Electromagnetic System for 5-DOF Wireless Micromanipulation. <i>Springer Tracts in Advanced Robotics</i> , 2014, , 317-329.	0.4	52
27	Comparison, optimization, and limitations of magnetic manipulation systems. <i>Journal of Micro-Bio Robotics</i> , 2013, 8, 107-120.	2.1	42
28	Three-Dimensional Magnetic Manipulation of Micro- and Nanostructures for Applications in Life Sciences. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 321-330.	2.1	200
29	Iron Nanowires: Graphite Coating of Iron Nanowires for Nanorobotic Applications: Synthesis, Characterization and Magnetic Wireless Manipulation (<i>Adv. Funct. Mater.</i> 7/2013). <i>Advanced Functional Materials</i> , 2013, 23, 782-782.	14.9	0
30	Graphite Coating of Iron Nanowires for Nanorobotic Applications: Synthesis, Characterization and Magnetic Wireless Manipulation. <i>Advanced Functional Materials</i> , 2013, 23, 823-831.	14.9	48
31	Non-contact, 3D magnetic biomanipulation for in vivo and in vitro applications. , 2012, , .		3
32	Helical and Tubular Lipid Microstructures that are Electroless-Coated with CoNiReP for Wireless Magnetic Manipulation. <i>Small</i> , 2012, 8, 1498-1502.	10.0	51
33	Fabricating devices with dielectrophoretically assembled, suspended single walled carbon nanotubes for improved nanoelectronic device characterization. <i>Microelectronic Engineering</i> , 2011, 88, 2740-2743.	2.4	7