

Jessamyn A Fairfield

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

701
citations

758635

12
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752256

20
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23
all docs

23
docs citations

23
times ranked

1308
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing physics board games: a practical guide for educators. <i>Physics Education</i> , 2022, 57, 035006.	0.3	5
2	Alternative Conceptions of Astronomy: How Irish Secondary Students Understand Gravity, Seasons, and the Big Bang. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2021, 17, em1950.	0.7	3
3	Game-Based Learning to Engage Students With Physics and Astronomy Using a Board Game. <i>International Journal of Game-Based Learning</i> , 2019, 9, 42-57.	0.9	31
4	Nanostructured Materials for Neural Electrical Interfaces. <i>Advanced Functional Materials</i> , 2018, 28, 1701145.	7.8	50
5	Smarter machines. <i>Physics World</i> , 2017, 30, 33-36.	0.0	2
6	Quantum point contacts and resistive switching in Ni/NiO nanowire junctions. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	12
7	Orientation selectivity in a multi-gated organic electrochemical transistor. <i>Scientific Reports</i> , 2016, 6, 27007.	1.6	79
8	Co-percolation to tune conductive behaviour in dynamical metallic nanowire networks. <i>Nanoscale</i> , 2016, 8, 18516-18523.	2.8	11
9	Associative Enhancement of Time Correlated Response to Heterogeneous Stimuli in a Neuromorphic Nanowire Device. <i>Advanced Electronic Materials</i> , 2016, 2, 1500458.	2.6	37
10	Synaptic plasticity functions in an organic electrochemical transistor. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	144
11	Quantitative Study of the Photothermal Properties of Metallic Nanowire Networks. <i>ACS Nano</i> , 2015, 9, 5551-5558.	7.3	53
12	Programmability of nanowire networks. <i>Nanoscale</i> , 2014, 6, 9632-9639.	2.8	33
13	A Single Nanoscale Junction with Programmable Multilevel Memory. <i>ACS Nano</i> , 2014, 8, 11724-11729.	7.3	53
14	Effective Electrode Length Enhances Electrical Activation of Nanowire Networks: Experiment and Simulation. <i>ACS Nano</i> , 2014, 8, 9542-9549.	7.3	29
15	Manipulating Connectivity and Electrical Conductivity in Metallic Nanowire Networks. <i>Nano Letters</i> , 2012, 12, 5966-5971.	4.5	76
16	Characterization of memory and measurement history in photoconductivity of nanocrystal arrays. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	7
17	Controlling Nanogap Quantum Dot Photoconductivity through Optoelectronic Trap Manipulation. <i>Nano Letters</i> , 2009, 9, 4191-4197.	4.5	29
18	Fluorescence Dynamics of Semiconductor Nanorod Clusters Studied by Correlated Atomic Force, Transmission Electron, and Fluorescence Microscopy. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19945-19956.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Radiation-tolerant, red-sensitive CCDs for dark energy investigations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 526-527.	0.7	4
20	Reduced Charge Diffusion in Thick, Fully Depleted CCDs With Enhanced Red Sensitivity. IEEE Transactions on Nuclear Science, 2006, 53, 3877-3881.	1.2	17
21	High-voltage-compatible, fully depleted CCDs. , 2006, , .		14
22	Improved Spatial Resolution in Thick, Fully-Depleted CCDs with Enhanced Red Sensitivity. , 0, , .		5