

Chad Ropp

List of Publications by Year in descending order

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21
papers

500
citations

840776

11
h-index

1125743

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all docs

21
docs citations

21
times ranked

853
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Coherently Coupled Exciton Polaritons in Monolayer Tungsten Disulphide. Physical Review Letters, 2017, 119, 027403.	7.8	101
2	Nanoscale imaging and spontaneous emission control with a single nano-positioned quantum dot. Nature Communications, 2013, 4, 1447.	12.8	76
3	Manipulating Quantum Dots to Nanometer Precision by Control of Flow. Nano Letters, 2010, 10, 2525-2530.	9.1	54
4	Flow Control of Small Objects on Chip: Manipulating Live Cells, Quantum Dots, and Nanowires. IEEE Control Systems, 2012, 32, 26-53.	0.8	53
5	Nanoscale probing of image-dipole interactions in a metallic nanostructure. Nature Communications, 2015, 6, 6558.	12.8	49
6	Positioning and Immobilization of Individual Quantum Dots with Nanoscale Precision. Nano Letters, 2010, 10, 4673-4679.	9.1	39
7	Emergence of an enslaved phononic bandgap in a non-equilibrium pseudo-crystal. Nature Materials, 2017, 16, 808-813.	27.5	26
8	Dissipative self-organization in optical space. Nature Photonics, 2018, 12, 739-743.	31.4	20
9	Magnetic drilling enhances intra-nasal transport of particles into rodent brain. Journal of Magnetism and Magnetic Materials, 2019, 469, 302-305.	2.3	20
10	Nonlinear Optics at Excited States of Exciton Polaritons in Two-Dimensional Atomic Crystals. Nano Letters, 2020, 20, 1676-1685.	9.1	20
11	Nanostructure-Induced Distortion in Single-Emitter Microscopy. Nano Letters, 2016, 16, 5415-5419.	9.1	18
12	Scanning Localized Magnetic Fields in a Microfluidic Device with a Single Nitrogen Vacancy Center. Nano Letters, 2015, 15, 1481-1486.	9.1	12
13	Fabrication of Nanoassemblies Using Flow Control. Nano Letters, 2013, 13, 3936-3941.	9.1	10
14	Creation of multimaterial micro- and nanostructures through aqueous-based fabrication, manipulation, and immobilization. , 2014, , .		1
15	Rat Behavioral Changes Due to Implanted Magnetic Particles Activated with Externally-Applied Magnetic Fields*. , 2019, , .		1
16	Nanometer positioning of single quantum dots by flow control. , 2010, , .		0
17	Selective nano-assembly of single quantum dots on a two dimensional surface. , 2011, , .		0
18	Deterministic nano-manipulation and immobilization of single quantum dots. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	Probing light-matter interactions at the nanoscale with a deterministically positioned single quantum dot. , 2013, , .		0
20	Externally driven broadband transmission in strongly disordered materials. Applied Physics Letters, 2021, 118, 231103.	3.3	0
21	Nanoscale probing of surface plasmons with single quantum dots. , 2015, , .		0