John S Colton

List of Publications by Year
in descending order

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11 papers	92 citations	1478505 6 h-index	1474206 9 g-index
11 all docs	11 docs citations	11 times ranked	96 citing authors

#	Article	IF	Citations
1	Use of Machine Learning with Temporal Photoluminescence Signals from CdTe Quantum Dots for Temperature Measurement in Microfluidic Devices. ACS Applied Nano Materials, 2020, 3, 4045-4053.	5.0	24
2	Low Exciton Binding Energies and Localized Excitonâ€“Polaron States in 2D Tin Halide Perovskites. Advanced Optical Materials, 2022, 10, .	7.3	18
3	The physics of musical scales: Theory and experiment. American Journal of Physics, 2015, 83, 835-842.	0.7	10
4	Franz-Keldysh and Stark Effects in Two-Dimensional Metal Halide Perovskites. , 2022, 1, .		9
5	Tuning the band gap of ferritin nanoparticles by co-depositing iron with halides or oxo-anions. Journal of Materials Chemistry A, 2014, 2, 20782-20788.	10.3	8
6	Characterization of nickel nanostrand nanocomposites through dielectric spectroscopy and nanoindentation. Polymer Engineering and Science, 2013, 53, 2666-2673.	3.1	6
7	Resonance of Complex Cylindrically Symmetric Cavities Using an Eigenfunction Expansion in Empty Cavity Modes. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3113-3120.	4.6	6
8	Lead sulfide quantum dots inside ferritin: synthesis and application to photovoltaics. Applied Nanoscience (Switzerland), 2018, 8, 1687-1699.	3.1	4
9	Tuning Ferritinâ€™s band gap through mixed metal oxide nanoparticle formation. Nanotechnology, 2017, 28, 195604.	2.6	3
10	Annealing-induced change in quantum dot chain formation mechanism. AIP Advances, 2014, 4, 127142.	1.3	2
11	Machine Learning to Predict Quasi TEâ‚€â‚•Mode Resonances in Double-Stacked Dielectric Cavities. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2135-2146.	4.6	2