

Eftihia Barnes

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,710
citations

840776

11
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

3500
citing authors

#	ARTICLE	IF	CITATIONS
1	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2010, 466, 954-958.	27.8	668
2	Probing Ferroelectrics Using Optical Second Harmonic Generation. Journal of the American Ceramic Society, 2011, 94, 2699-2727.	3.8	244
3	Exploiting dimensionality and defect mitigation to create tunable microwave dielectrics. Nature, 2013, 502, 532-536.	27.8	204
4	Optical properties of quasi-tetragonal BiFeO ₃ thin films. Applied Physics Letters, 2010, 96, .	3.3	153
5	Thermotropic phase boundaries in classic ferroelectrics. Nature Communications, 2014, 5, 3172.	12.8	123
6	Tunable band gap in Bi(Fe _{1-x} Mnx)O ₃ films. Applied Physics Letters, 2010, 96, .	3.3	70
7	Production of tunable nanomaterials using hierarchically assembled bacteriophages. Nature Protocols, 2017, 12, 1999-2013.	12.0	48
8	Structural and electronic recovery pathways of a photoexcited ultrathin VO ₂ film. Physical Review B, 2013, 88, .	3.2	43
9	Probing mixed tetragonal/rhombohedral-like monoclinic phases in strained bismuth ferrite films by optical second harmonic generation. Applied Physics Letters, 2010, 97, 112903.	3.3	41
10	Effect of Cellulose Nanofibrils and TEMPO-mediated Oxidized Cellulose Nanofibrils on the Physical and Mechanical Properties of Poly(vinylidene fluoride)/Cellulose Nanofibril Composites. Polymers, 2019, 11, 1091.	4.5	36
11	Universal patterns of radio-frequency heating in nanomaterial-loaded structures. Applied Materials Today, 2021, 23, 101044.	4.3	12
12	Emergent room temperature polar phase in CaTiO ₃ nanoparticles and single crystals. APL Materials, 2019, 7, .	5.1	10
13	A magnifying fiber element with an array of sub-wavelength Ge/ZnSe pixel waveguides for infrared imaging. Applied Physics Letters, 2012, 101, .	3.3	9
14	Characterization and workplace exposure assessment of nanomaterial released from a carbon nanotube-enabled anti-corrosive coating. NanoImpact, 2018, 12, 58-68.	4.5	9
15	Impact of aggregate mineralogy and exposure solution on alkali-silica reaction product composition and structure within accelerated test conditions. Construction and Building Materials, 2020, 240, 117929.	7.2	8
16	Genetically tunable M13 phage films utilizing evaporating droplets. Colloids and Surfaces B: Biointerfaces, 2018, 161, 210-218.	5.0	7
17	CuO enhances the photocatalytic activity of Fe ₂ O ₃ through synergistic reactive oxygen species interactions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125179.	4.7	7
18	Photoinduced Metallic Particle Growth on Single-Crystal Relaxor Ferroelectric Strontium Barium Niobate. Journal of Physical Chemistry C, 2018, 122, 5590-5598.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Suppression of optical damage at 532 nm in Holmium doped congruent lithium niobate. Optics Express, 2014, 22, 26222.	3.4	4
20	Increasing mechanical resilience and enhanced electrical conductivity through the incorporation of CNF reinforcing additives in PA6 nanocomposites. Structural Chemistry, 2019, 30, 341-349.	2.0	4
21	Photochemically patterned metal nanoparticle strontium barium niobate surfaces with tunable wettability, enhanced Raman scattering, and fluorescence emission. Applied Physics Letters, 2019, 115, 011601.	3.3	3
22	Interplay between Convective and Viscoelastic Forces Controls the Morphology of In Vitro Paclitaxel-Stabilized Microtubules. Crystals, 2020, 10, 43.	2.2	2
23	Chemical Collection, Refinement, and Adsorption Beacon. , 2019, , .		0