

Shiva Adireddy

List of Publications by Year in descending order

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32
papers

950
citations

471061

17
h-index

433756

31
g-index

35
all docs

35
docs citations

35
times ranked

1555
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Based Growth of Monodisperse Cube-Like BaTiO ₃ Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2010, 22, 1946-1948.	3.2	182
2	In Vitro/In Vivo Toxicity Evaluation and Quantification of Iron Oxide Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24417-24450.	1.8	156
3	Synthesis and piezoelectric response of cubic and spherical LiNbO ₃ nanocrystals. <i>RSC Advances</i> , 2012, 2, 1913.	1.7	60
4	Crystal structure, dielectric, ferroelectric and energy storage properties of La-doped BaTiO ₃ semiconducting ceramics. <i>Journal of Advanced Dielectrics</i> , 2015, 05, 1550027.	1.5	48
5	Core-shell structured poly(glycidyl methacrylate)/BaTiO ₃ nanocomposites prepared by surface-initiated atom transfer radical polymerization: A novel material for high energy density dielectric storage. <i>Journal of Polymer Science Part A</i> , 2015, 53, 719-728.	2.5	45
6	Polymer Nanocomposites for Energy Storage Applications. <i>Materials Today: Proceedings</i> , 2015, 2, 3853-3863.	0.9	42
7	Size-Controlled Synthesis of Quasi-Monodisperse Transition-Metal Ferrite Nanocrystals in Fatty Alcohol Solutions. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20800-20811.	1.5	37
8	Synthesis and characterization of lead-free ternary component BST-BCT-BZT ceramic capacitors. <i>Journal of Advanced Dielectrics</i> , 2014, 04, 1450014.	1.5	36
9	Polymer-ceramic nanocomposites for high energy density applications. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 641-646.	1.1	31
10	Peapod-Type Nanocomposites through the In Situ Growth of Gold Nanoparticles within Preformed Hexaniobate Nanoscrolls. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4614-4617.	7.2	30
11	Core-shell like structured barium zirconium titanate-barium calcium titanate-poly(methyl methacrylate) nanocomposites for high energy density applications. <i>Journal of Applied Physics</i> , 2015, 118, 104101.	1.8	29
12	Observation of large enhancement in energy-storage properties of lead-free polycrystalline 0.5BaZr _{0.2} Ti _{0.8} O ₃ -0.5Ba _{0.7} Ca _{0.3} TiO ₃ ferroelectric thin films. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 255304.	1.8	27
13	Ultra-long cycle life and binder-free manganese-cobalt oxide supercapacitor electrodes through photonic nanostructuring. <i>RSC Advances</i> , 2020, 10, 40234-40243.	1.7	25
14	High-Yield Solvothermal Synthesis of Magnetic Peapod Nanocomposites via the Capture of Preformed Nanoparticles in Scrolled Nanosheets. <i>Chemistry of Materials</i> , 2013, 25, 3902-3909.	3.2	23
15	Effect of lead borosilicate glass addition on the crystallization, ferroelectric and dielectric energy storage properties of Ba _{0.9995} La _{0.0005} TiO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 688, 721-728.	2.8	21
16	Instantaneous photoinitiated synthesis and rapid pulsed photothermal treatment of three-dimensional nanostructured TiO ₂ thin films through pulsed light irradiation. <i>Journal of Materials Research</i> , 2017, 32, 1701-1709.	1.2	18
17	Click-In Ferroelectric Nanoparticles for Dielectric Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17819-17825.	4.0	17
18	Particle Placement and Sheet Topological Control in the Fabrication of Ag-Hexaniobate Nanocomposites. <i>Langmuir</i> , 2015, 31, 480-485.	1.6	16

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19	Low temperature sintered giant dielectric permittivity $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ sol-gel synthesized nanoparticle capacitors. <i>Journal of Advanced Dielectrics</i> , 2017, 07, 1750017.	1.5	13
20	Nanostructured manganese oxides electrode with ultra-long lifetime for electrochemical capacitors. <i>RSC Advances</i> , 2020, 10, 16817-16825.	1.7	13
21	Rapid solvothermal fabrication of hexaniobate nanoscrolls. <i>Materials Research Bulletin</i> , 2013, 48, 3236-3241.	2.7	12
22	Formation of Scrolled Silver Vanadate Nanopeapods by Both Capture and Insertion Strategies. <i>Chemistry of Materials</i> , 2015, 27, 3694-3699.	3.2	12
23	PVDF/BaSrTiO ₃ nanocomposites for flexible electrical energy storage devices. <i>Emerging Materials Research</i> , 2014, 3, 265-270.	0.4	10
24	Pulsed photoinitiated fabrication of inkjet printed titanium dioxide/reduced graphene oxide nanocomposite thin films. <i>Nanotechnology</i> , 2018, 29, 315401.	1.3	8
25	Rapid Large-Scale Synthesis of Vanadate Nanoscrolls with Controllable Lengths. <i>ChemNanoMat</i> , 2016, 2, 54-60.	1.5	7
26	Transformer sound level caused by core magnetostriction and winding stress displacement variation. <i>AIP Advances</i> , 2017, 7, 056681.	0.6	6
27	Electric field induced weak ferroelectricity in $\text{Ba}_{0.70}\text{Sr}_{0.30}\text{TiO}_3$ ceramics capacitors. <i>Ferroelectrics</i> , 2017, 516, 133-139.	0.3	6
28	Formation of Mixed-Metal Ceria Nanopeapod Composites within Scrolled Hexaniobate Nanosheets. <i>ChemNanoMat</i> , 2019, 5, 1373-1380.	1.5	6
29	Nanoscale Ferroelectric Switchable Polarization and Leakage Current Behavior in $(\text{Ba}_{0.50}\text{Sr}_{0.50})(\text{Ti}_{0.80}\text{Sn}_{0.20})\text{O}_3$ Thin Films Prepared Using Chemical Solution Deposition. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	1.5	4
30	Synthesis and structural properties of $\text{Ba}_{1-x}\text{La}_x\text{TiO}_3$ perovskite nanoparticles fabricated by solvothermal synthesis route. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
31	Pulsed photonic fabrication of nanostructured metal oxide thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2
32	Innen-1/4-cktitelbild: Peapod-Type Nanocomposites through the In Situ Growth of Gold Nanoparticles within Preformed Hexaniobate Nanoscrolls (<i>Angew. Chem.</i> 18/2014). <i>Angewandte Chemie</i> , 2014, 126, 4817-4817.	1.6	0