

# 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	Ultra-long cycle life and binder-free manganese-cobalt oxide supercapacitor electrodes through photonic nanostructuring. RSC Advances, 2020, 10, 40234-40243.	1.7	25
2	Nanostructured manganese oxides electrode with ultra-long lifetime for electrochemical capacitors. RSC Advances, 2020, 10, 16817-16825.	1.7	13
3	Formation of Mixed-Metal Ceria Nanopeapod Composites within Scrolled Hexaniobate Nanosheets. ChemNanoMat, 2019, 5, 1373-1380.	1.5	6
4	Observation of large enhancement in energy-storage properties of lead-free polycrystalline $0.5\text{BaZr}_{0.2}\text{Ti}_{0.8}\text{O}_3 \approx 0.5\text{Ba}_{0.7}\text{Ca}_{0.3}\text{TiO}_3$ ferroelectric thin films. Journal Physics D: Applied Physics, 2019, 52, 255304.	1.5	27
5	Pulsed photoinitiated fabrication of inkjet printed titanium dioxide/reduced graphene oxide nanocomposite thin films. Nanotechnology, 2018, 29, 315401.	1.3	8
6	Synthesis and structural properties of $\text{Ba}(1-x)\text{La}_x\text{TiO}_3$ perovskite nanoparticles fabricated by solvothermal synthesis route. AIP Conference Proceedings, 2017, . .	0.3	2
7	Instantaneous photoinitiated synthesis and rapid pulsed photothermal treatment of three-dimensional nanostructured $\text{TiO}_2$ thin films through pulsed light irradiation. Journal of Materials Research, 2017, 32, 1701-1709.	1.2	18
8	Transformer sound level caused by core magnetostriction and winding stress displacement variation. AIP Advances, 2017, 7, 056681.	0.6	6
9	Pulsed photonic fabrication of nanostructured metal oxide thin films. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	2
10	Low temperature sintered giant dielectric permittivity $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ sol-gel synthesized nanoparticle capacitors. Journal of Advanced Dielectrics, 2017, 07, 1750017.	1.5	13
11	Electric field induced weak ferroelectricity in $\text{Ba}_{0.70}\text{Sr}_{0.30}\text{TiO}_3$ ceramics capacitors. Ferroelectrics, 2017, 516, 133-139.	0.3	6
12	Effect of lead borosilicate glass addition on the crystallization, ferroelectric and dielectric energy storage properties of $\text{Ba}_{0.9995}\text{La}_{0.0005}\text{TiO}_3$ ceramics. Journal of Alloys and Compounds, 2016, 688, 721-728.	2.8	21
13	Rapid Large-Scale Synthesis of Vanadate Nanoscrolls with Controllable Lengths. ChemNanoMat, 2016, 2, 54-60.	1.5	7
14	Core-shell like structured barium zirconium titanate-barium calcium titanate-poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 T	1.8	29
15	In Vitro/In Vivo Toxicity Evaluation and Quantification of Iron Oxide Nanoparticles. International Journal of Molecular Sciences, 2015, 16, 24417-24450.	1.8	156
16	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. Journal of Nanomaterials, 2015, 2015, 1-7.	1.5	4
17	Crystal structure, dielectric, ferroelectric and energy storage properties of La-doped $\text{BaTiO}_3$ semiconducting ceramics. Journal of Advanced Dielectrics, 2015, 05, 1550027.	1.5	48
18	Core-shell structured poly(glycidyl methacrylate)/ $\text{BaTiO}_3$ nanocomposites prepared by surface-initiated atom transfer radical polymerization: A novel material for high energy density dielectric storage. Journal of Polymer Science Part A, 2015, 53, 719-728.	2.5	45

#	ARTICLE	IF	CITATIONS
19	Particle Placement and Sheet Topological Control in the Fabrication of Ag@Hexaniobate Nanocomposites. <i>Langmuir</i> , 2015, 31, 480-485.	1.6	16
20	Formation of Scrolled Silver Vanadate Nanopeapods by Both Capture and Insertion Strategies. <i>Chemistry of Materials</i> , 2015, 27, 3694-3699.	3.2	12
21	Click-In Ferroelectric Nanoparticles for Dielectric Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17819-17825.	4.0	17
22	Polymer Nanocomposites for Energy Storage Applications. <i>Materials Today: Proceedings</i> , 2015, 2, 3853-3863.	0.9	42
23	Polymer-ceramic nanocomposites for high energy density applications. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 641-646.	1.1	31
24	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
25	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
26	PVDF@BaSrTiO <sub>3</sub> nanocomposites for flexible electrical energy storage devices. <i>Emerging Materials Research</i> , 2014, 3, 265-270.	0.4	10
27	Innenr¼cktitelbild: 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
28	Rapid solvothermal fabrication of hexaniobate nanoscrolls. <i>Materials Research Bulletin</i> , 2013, 48, 3236-3241.	2.7	12
29	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
30	Synthesis and piezoelectric response of cubic and spherical LiNbO <sub>3</sub> nanocrystals. <i>RSC Advances</i> , 2012, 2, 1913.	1.7	60
31	Solution-Based Growth of Monodisperse Cube-Like BaTiO <sub>3</sub> Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2010, 22, 1946-1948.	3.2	182
32	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