

Douglas B Chrisey

List of Publications by Year in descending order

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39
papers

846
citations

516215

16
h-index

476904

29
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39
all docs

39
docs citations

39
times ranked

1167
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of bioink printability for bioprinting applications. <i>Applied Physics Reviews</i> , 2018, 5, .	5.5	129
2	Preparation of BaTiO ₃ /low melting glass core-shell nanoparticles for energy storage capacitor applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18087-18096.	5.2	77
3	Time-Resolved Imaging Study of Jetting Dynamics during Laser Printing of Viscoelastic Alginate Solutions. <i>Langmuir</i> , 2015, 31, 6447-6456.	1.6	76
4	Solvent-based Extrusion 3D Printing for the Fabrication of Tissue Engineering Scaffolds. <i>International Journal of Bioprinting</i> , 2019, 6, 211.	1.7	73
5	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
6	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
7	Effects of living cells on the bioink printability during laser printing. <i>Biomicrofluidics</i> , 2017, 11, 034120.	1.2	41
8	Structure, Ferroelectric, Dielectric and Energy Storage Studies of Ba _{0.70} Ca _{0.30} TiO ₃ , Ba(Zr _{0.20} Ti _{0.80})O ₃ Ceramic Capacitors. <i>Integrated Ferroelectrics</i> , 2014, 157, 139-146.	0.3	40
9	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
10	Laser Direct Write Onto Live Tissues: A Novel Model for Studying Cancer Cell Migration. <i>Journal of Cellular Physiology</i> , 2016, 231, 2333-2338.	2.0	34
11	Polymer-ceramic nanocomposites for high energy density applications. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 641-646.	1.1	31
12	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
13	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
14	Preparation of Cobalt Oxide-Reduced Graphitic Oxide Supercapacitor Electrode by Photothermal Processing. <i>Nanomaterials</i> , 2021, 11, 717.	1.9	18
15	Photonic curing of aromatic thiol-ene click dielectric capacitors via inkjet printing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17380-17386.	5.2	17
16	Bubble Formation Modeling During Laser Direct Writing of Glycerol Solutions. <i>Journal of Micro and Nano-Manufacturing</i> , 2015, 3, .	0.8	17
17	Low temperature sintered giant dielectric permittivity CaCu ₃ Ti ₄ O ₁₂ sol-gel synthesized nanoparticle capacitors. <i>Journal of Advanced Dielectrics</i> , 2017, 07, 1750017.	1.5	13
18	Nanostructured manganese oxides electrode with ultra-long lifetime for electrochemical capacitors. <i>RSC Advances</i> , 2020, 10, 16817-16825.	1.7	13

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19	Printing amphotericin B on microneedles using matrix-assisted pulsed laser evaporation. International Journal of Bioprinting, 2017, 3, 147.	1.7	12
20	Pulsed photoinitiated fabrication of inkjet printed titanium dioxide/reduced graphene oxide nanocomposite thin films. Nanotechnology, 2018, 29, 315401.	1.3	8
21	Flexible iron oxide supercapacitor electrodes by photonic processing. Journal of Materials Research, 2021, 36, 4536-4546.	1.2	8
22	Review on energy storage in lead-free ferroelectric films. Energy Storage, 2023, 5, .	2.3	8
23	Rapid Large-scale Synthesis of Vanadate Nanoscrolls with Controllable Lengths. ChemNanoMat, 2016, 2, 54-60.	1.5	7
24	Transformer sound level caused by core magnetostriction and winding stress displacement variation. AIP Advances, 2017, 7, 056681.	0.6	6
25	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
26	Isoflavonoid-Antibiotic Thin Films Fabricated by MAPLE with Improved Resistance to Microbial Colonization. Molecules, 2021, 26, 3634.	1.7	5
27	Magnetoelectric and Multiferroic Properties of $\text{BaTiO}_3/\text{NiFe}_2\text{O}_4/\text{BaTiO}_3$ Heterostructured Thin Films Grown by Pulsed Laser Deposition Technique. Crystals, 2021, 11, 1192.	1.0	5
28	Novel Antimicrobial Surfaces to Defeat COVID-19 Transmission. MRS Advances, 2020, 5, 2839-2851.	0.5	5
29	Electric Cell-Substrate Impedance Sensing (ECIS) as a Platform for Evaluating Barrier-Function Susceptibility and Damage from Pulmonary Atelectrauma. Biosensors, 2022, 12, 390.	2.3	5
30	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
31	Dielectric Properties of UV Cured Thick Film Polymer Networks through High Power Xenon Flash Lamp Curing. Materials Research Society Symposia Proceedings, 2014, 1630, 1.	0.1	3
32	First principles modeling of nanoparticle-polymer surface functionalizations for improved capacitive energy storage. Journal of Materials Science, 2020, 55, 15813-15825.	1.7	3
33	Matrix-Assisted Pulsed laser Evaporation-deposited Rapamycin Thin Films Maintain Antiproliferative Activity. International Journal of Bioprinting, 2019, 6, 188.	1.7	3
34	Pulsed photonic fabrication of nanostructured metal oxide thin films. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	2
35	Enhanced energy storage properties of epitaxial $(\text{Ba}_{0.955}\text{Ca}_{0.045})(\text{Zr}_{0.7}\text{Ti}_{0.3})\text{O}_3$ ferroelectric thin films. Energy Storage, 2022, 4, .		
36	Multifunctionalization of Nanostructured Metal Oxides. Journal of Nanomaterials, 2015, 2015, 1-1.	1.5	1

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37	Directed self-assembly software for single cell deposition. International Journal of Bioprinting, 2017, 3, 100.	1.7	1
38	Tracking Human Adipose-Derived Stem Cells (hASCs) in an Ex Vivo Microvascular Network Model. FASEB Journal, 2015, 29, 790.2.	0.2	1
39	Abstract A016: Electrical impedance assessment of the effect of LBH589 on the cellular behavior and migratory potential of breast cancer cells. , 2013, , .		0