

Douglas B Chrisey

List of Publications by Citations

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38
papers

572
citations

13
h-index

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g-index

39
ext. papers

688
ext. citations

4
avg, IF

3.95
L-index

#	Paper	IF	Citations
38	Evaluation of bioink printability for bioprinting applications. <i>Applied Physics Reviews</i> , 2018 , 5, 041304	17.3	83
37	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	13	66
36	Time-Resolved Imaging Study of Jetting Dynamics during Laser Printing of Viscoelastic Alginate Solutions. <i>Langmuir</i> , 2015 , 31, 6447-56	4	57
35	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	39
34	Effects of living cells on the bioink printability during laser printing. <i>Biomicrofluidics</i> , 2017 , 11, 034120	3.2	33
33	Solvent-based Extrusion 3D Printing for the Fabrication of Tissue Engineering Scaffolds. <i>International Journal of Bioprinting</i> , 2020 , 6, 211	6.2	32
32	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	0.8	31
31	Synthesis and characterization of lead-free ternary component BSTBCTBZT ceramic capacitors. <i>Journal of Advanced Dielectrics</i> , 2014 , 04, 1450014	1.3	31
30	Crystal structure, dielectric, ferroelectric and energy storage properties of La-doped BaTiO ₃ semiconducting ceramics. <i>Journal of Advanced Dielectrics</i> , 2015 , 05, 1550027	1.3	31
29	Polymer-ceramic nanocomposites for high energy density applications. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 73, 641-646	2.3	28
28	Laser Direct-Write Onto Live Tissues: A Novel Model for Studying Cancer Cell Migration. <i>Journal of Cellular Physiology</i> , 2016 , 231, 2333-8	7	26
27	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	2.5	13
26	Bubble Formation Modeling During Laser Direct Writing of Glycerol Solutions. <i>Journal of Micro and Nano-Manufacturing</i> , 2015 , 3,	1.3	13
25	Photonic curing of aromatic thiol-ene click dielectric capacitors via inkjet printing. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17380-17386	13	12
24	Pulsed photoinitiated fabrication of inkjet printed titanium dioxide/reduced graphene oxide nanocomposite thin films. <i>Nanotechnology</i> , 2018 , 29, 315401	3.4	8
23	Printing amphotericin B on microneedles using matrix-assisted pulsed laser evaporation. <i>International Journal of Bioprinting</i> , 2017 , 3, 004	6.2	8
22	Rapid Large-Scale Synthesis of Vanadate Nanoscrolls with Controllable Lengths. <i>ChemNanoMat</i> , 2016 , 2, 54-60	3.5	7

21	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	1.3	6
20	Electric field induced weak ferroelectricity in Ba _{0.70} Sr _{0.30} TiO ₃ , ceramics capacitors. <i>Ferroelectrics</i> , 2017 , 516, 133-139	0.6	6
19	Ultra-long cycle life and binder-free manganese-cobalt oxide supercapacitor electrodes through photonic nanostructuring.. <i>RSC Advances</i> , 2020 , 10, 40234-40243	3.7	6
18	Transformer sound level caused by core magnetostriction and winding stress displacement variation. <i>AIP Advances</i> , 2017 , 7, 056681	1.5	5
17	Preparation of Cobalt Oxide-Reduced Graphitic Oxide Supercapacitor Electrode by Photothermal Processing. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
16	Nanostructured manganese oxides electrode with ultra-long lifetime for electrochemical capacitors.. <i>RSC Advances</i> , 2020 , 10, 16817-16825	3.7	4
15	Nanoscale Ferroelectric Switchable Polarization and Leakage Current Behavior in (Ba _{0.50} Sr _{0.50})(Ti _{0.80} Sn _{0.20})O ₃ Thin Films Prepared Using Chemical Solution Deposition. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	4
14	Novel Antimicrobial Surfaces to Defeat COVID-19 Transmission. <i>MRS Advances</i> , 2020 , 5, 2839-2851	0.7	4
13	Dielectric Properties of UV Cured Thick Film Polymer Networks through High Power Xenon Flash Lamp Curing. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1630, 1		3
12	Pulsed photonic fabrication of nanostructured metal oxide thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	2
11	Matrix-Assisted Pulsed laser Evaporation-deposited Rapamycin Thin Films Maintain Antiproliferative Activity. <i>International Journal of Bioprinting</i> , 2020 , 6, 188	6.2	2
10	Multifunctionalization of Nanostructured Metal Oxides. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-1	3.2	1
9	Directed self-assembly software for single cell deposition. <i>International Journal of Bioprinting</i> , 2017 , 3, 006	6.2	1
8	Tracking Human Adipose-Derived Stem Cells (hASCs) in an Ex Vivo Microvascular Network Model. <i>FASEB Journal</i> , 2015 , 29, 790.2	0.9	1
7	First principles modeling of nanoparticle-polymer surface functionalizations for improved capacitive energy storage. <i>Journal of Materials Science</i> , 2020 , 55, 15813-15825	4.3	1
6	Isoflavonoid-Antibiotic Thin Films Fabricated by MAPLE with Improved Resistance to Microbial Colonization. <i>Molecules</i> , 2021 , 26,	4.8	1
5	Flexible iron oxide supercapacitor electrodes by photonic processing. <i>Journal of Materials Research</i> , 2017 , 31, 1100-1107	2.5	1
4	Enhanced energy storage properties of epitaxial (Ba _{0.955} Ca _{0.045})(Zr _{0.17} Ti _{0.83})O ₃ ferroelectr. <i>Energy Storage</i> ,	2.8	1

3	Magnetoelectric and Multiferroic Properties of BaTiO ₃ /NiFe ₂ O ₄ /BaTiO ₃ Heterostructured Thin Films Grown by Pulsed Laser Deposition Technique. <i>Crystals</i> , 2021 , 11, 1192	2.3	○
2	Review on Energy Storage in Lead-free Ferroelectric Films. <i>Energy Storage</i> ,	2.8	○
1	Electric Cell-Substrate Impedance Sensing (ECIS) as a Platform for Evaluating Barrier-Function Susceptibility and Damage from Pulmonary Atelectrauma. <i>Biosensors</i> , 2022 , 12, 390	5.9	○