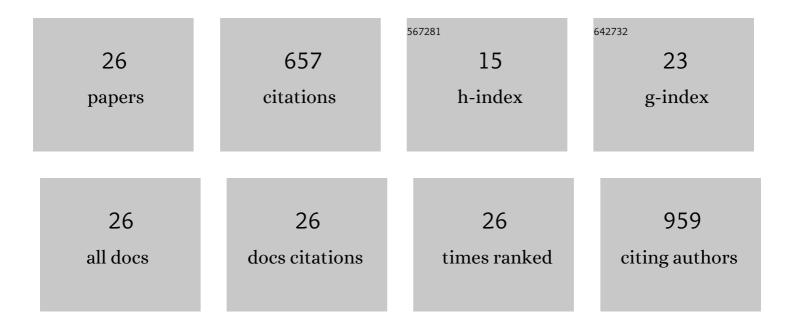
Brian C Riggs

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Investigations on structure, ferroelectric, piezoelectric and energy storage properties of barium calcium titanate (BCT) ceramics. Journal of Alloys and Compounds, 2014, 584, 369-373.	5.5	109
2	Preparation of BaTiO ₃ /low melting glass core–shell nanoparticles for energy storage capacitor applications. Journal of Materials Chemistry A, 2014, 2, 18087-18096.	10.3	77
3	Techno-economic analysis of hybrid PV/T systems for process heat using electricity to subsidize the cost of heat. Applied Energy, 2017, 208, 1370-1378.	10.1	49
4	Coreâ€shell structured poly(glycidyl methacrylate)/BaTiO ₃ nanocomposites prepared by surfaceâ€initiated atom transfer radical polymerization: A novel material for high energy density dielectric storage. Journal of Polymer Science Part A, 2015, 53, 719-728.	2.3	45
5	A transmissive, spectrum-splitting concentrating photovoltaic module for hybrid photovoltaic-solar thermal energy conversion. Solar Energy, 2016, 137, 585-593.	6.1	45
6	Polymer Nanocomposites for Energy Storage Applications. Materials Today: Proceedings, 2015, 2, 3853-3863.	1.8	42
7	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. Integrated Ferroelectrics. 2014. 157. 139-146.	0.7	40
8	Laser direct-write based fabrication of a spatially-defined, biomimetic construct as a potential model for breast cancer cell invasion into adipose tissue. Biofabrication, 2017, 9, 025013.	7.1	37
9	Synthesis and characterization of lead-free ternary component BST–BCT–BZT ceramic capacitors. Journal of Advanced Dielectrics, 2014, 04, 1450014.	2.4	36
10	Polymer-ceramic nanocomposites for high energy density applications. Journal of Sol-Gel Science and Technology, 2015, 73, 641-646.	2.4	31
11	Transmissive microfluidic active cooling for concentrator photovoltaics. Applied Energy, 2019, 236, 906-915.	10.1	27
12	Instantaneous photoinitiated synthesis and rapid pulsed photothermal treatment of three-dimensional nanostructured TiO ₂ thin films through pulsed light irradiation. Journal of Materials Research, 2017, 32, 1701-1709.	2.6	18
13	Photonic curing of aromatic thiol–ene click dielectric capacitors via inkjet printing. Journal of Materials Chemistry A, 2014, 2, 17380-17386.	10.3	17
14	Click-In Ferroelectric Nanoparticles for Dielectric Energy Storage. ACS Applied Materials & Interfaces, 2015, 7, 17819-17825.	8.0	17
15	Field testing of a spectrum-splitting transmissive concentrator photovoltaic module. Renewable Energy, 2019, 139, 806-814.	8.9	17
16	Surface modified BaTiO _{3-polystyrene nanocomposites for energy storage. International Journal of Nanotechnology, 2014, 11, 910.}	0.2	11
17	Optical Design and Validation of an Infrared Transmissive Spectrum Splitting Concentrator Photovoltaic Module. IEEE Journal of Photovoltaics, 2017, 7, 1469-1478.	2.5	10
18	Solar Cogeneration of Electricity with High-Temperature Process Heat. Cell Reports Physical Science, 2020, 1, 100135.	5.6	10

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#	Article	IF	CITATIONS
19	Pulsed photoinitiated fabrication of inkjet printed titanium dioxide/reduced graphene oxide nanocomposite thin films. Nanotechnology, 2018, 29, 315401.	2.6	8
20	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
21	First principles modeling of nanoparticle–polymer surface functionalizations for improved capacitive energy storage. Journal of Materials Science, 2020, 55, 15813-15825.	3.7	3
22	Growth and microstructure of columnar Y-doped SrZrO3 films deposited on Pt-coated MgO by pulsed laser deposition. Journal of Applied Physics, 2015, 118, .	2.5	2
23	Pulsed photonic fabrication of nanostructured metal oxide thin films. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	2
24	Thermal characterization of concentrated solar absorbance using resistive heaters. , 2016, , .		1
25	A Hybrid CPV/T System Featuring Transmissive, Spectrum-Splitting Concentrator Photovoltaics. , 2018, ,		Ο
26	Direct Fluid Cooling of Concentrator Photovoltaics for Hybrid Photovoltaic-Solar Thermal Energy Conversion. , 2019, , .		0