

Abhilash Pullanchiyodan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,064
citations

430843

18
h-index

610883

24
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29
docs citations

29
times ranked

1000
citing authors

#	ARTICLE	IF	CITATIONS
1	A Wearable Supercapacitor Based on Conductive PEDOT:PSS Coated Cloth and a Sweat Electrolyte. <i>Advanced Materials</i> , 2020, 32, e1907254.	21.0	282
2	Robotic Hands with Intrinsic Tactile Sensing via 3D Printed Soft Pressure Sensors. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900080.	6.1	101
3	LTCC tapes based on Al ₂ O ₃ -BBSZ glass with improved thermal conductivity. <i>Ceramics International</i> , 2015, 41, 13572-13581.	4.8	66
4	SensAct: The Soft and Squishy Tactile Sensor with Integrated Flexible Actuator. <i>Advanced Intelligent Systems</i> , 2021, 3, 1900145.	6.1	64
5	Amine impregnated porous silica gel sorbents synthesized from water glass precursors for CO ₂ capturing. <i>Chemical Engineering Journal</i> , 2015, 269, 335-342.	12.7	62
6	Casting and characterization of LiMgPO ₄ glass free LTCC tape for microwave applications. <i>Journal of the European Ceramic Society</i> , 2013, 33, 87-93.	5.7	61
7	Metal Coated Conductive Fabrics with Graphite Electrodes and Biocompatible Gel Electrolyte for Wearable Supercapacitors. <i>Advanced Materials Technologies</i> , 2020, 5, 1901107.	5.8	53
8	Ferroelectric-assisted high-performance triboelectric nanogenerators based on electrospun P(VDF-TrFE) composite nanofibers with barium titanate nanofillers. <i>Nano Energy</i> , 2021, 90, 106600.	16.0	52
9	Natural Jute Fibre Based Supercapacitors and Sensors for Eco-Friendly Energy Autonomous Systems. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000286.	5.3	39
10	Bioinspired Inchworm and Earthworm like Soft Robots with Intrinsic Strain Sensing. <i>Advanced Intelligent Systems</i> , 2022, 4, 2100092.	6.1	35
11	Glass free, non-aqueous LTCC tapes of Bi ₄ (SiO ₄) ₃ with high solid loading. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2313-2320.	5.7	34
12	Silver-Decorated Boron Nitride Nanosheets as an Effective Hybrid Filler in PMMA for High-Thermal-Conductivity Electronic Substrates. <i>ACS Omega</i> , 2017, 2, 8825-8835.	3.5	33
13	Silica-Based Organic-Inorganic Hybrid Fluorescent Ink for Security Applications. <i>ACS Omega</i> , 2019, 4, 2577-2583.	3.5	25
14	Formulation of Sol-Gel Derived Bismuth Silicate Dielectric Ink for Flexible Electronics Applications. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7108-7115.	3.7	24
15	Graphite-Based Bioinspired Piezoresistive Soft Strain Sensors with Performance Optimized for Low Strain Values. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61610-61619.	8.0	23
16	A facile development of homemade substrate using quench free glass-ceramic composite and printing microstrip patch antenna on it. <i>Materials and Design</i> , 2018, 137, 38-46.	7.0	21
17	MnO _x -Electrodeposited Fabric-Based Stretchable Supercapacitors with Intrinsic Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47581-47592.	8.0	20
18	Structural, thermal and dielectric properties of rare earth substituted eulytite for LTCC applications. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1939-1944.	5.7	19

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19	Facile Synthesis of "Quench-Free Glass" and Ceramic-Glass Composite for <scp>LTCC</scp> Applications. Journal of the American Ceramic Society, 2013, 96, 1533-1537.	3.8	13
20	Metal Coated Fabric Based Asymmetric Supercapacitor for Wearable Applications. IEEE Sensors Journal, 2021, 21, 26208-26214.	4.7	11
21	Effect of isovalent substitutions on the microwave dielectric properties of Ca ₄ La ₆ (SiO ₄) ₄ (PO ₄) ₂ O ₂ apatite. Journal of Alloys and Compounds, 2013, 546, 72-76.	5.5	10
22	3D Printed Interconnects on Bendable Substrates for 3D Circuits. , 2019, , .		10
23	Magnesium-doped zircon-type rare-earth orthovanadates: Structural and electrical characterization. Ceramics International, 2018, 44, 96-103.	4.8	3
24	Microwave dielectrics: solid solution, ordering and microwave dielectric properties of $\text{Ba}_{1-x}(\text{Mg}_{1/3}\text{Nb}_{2/3}\text{O}_3)_x\text{Ba}(\text{Mg}_{1/8}\text{Nb}_{3/4})_x$		