

# Abhilash Pullanchiyodan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

572

citations

14

h-index

23

g-index

29

ext. papers

809

ext. citations

6.7

avg, IF

4.72

L-index

#	Paper	IF	Citations
28	Ferroelectric-assisted high-performance triboelectric nanogenerators based on electrospun P(VDF-TrFE) composite nanofibers with barium titanate nanofillers. <i>Nano Energy</i> , <b>2021</b> , 90, 106600	17.1	15
27	Natural Jute Fibre-Based Supercapacitors and Sensors for Eco-Friendly Energy Autonomous Systems. <i>Advanced Sustainable Systems</i> , <b>2021</b> , 5, 2000286	5.9	20
26	Metal Coated Fabric Based Asymmetric Supercapacitor for Wearable Applications. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	5
25	MnO-Electrodeposited Fabric-Based Stretchable Supercapacitors with Intrinsic Strain Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47581-47592	9.5	5
24	SensAct: The Soft and Squishy Tactile Sensor with Integrated Flexible Actuator. <i>Advanced Intelligent Systems</i> , <b>2021</b> , 3, 1900145	6	24
23	Graphite-Based Bioinspired Piezoresistive Soft Strain Sensors with Performance Optimized for Low Strain Values.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 61610-61619	9.5	3
22	Microwave dielectric properties of (1-x)Ba(Mg <sub>1/3</sub> Ta <sub>2/3</sub> )O <sub>3</sub> [(x)Ba(Mg <sub>1/8</sub> Ta <sub>3/4</sub> )O <sub>3</sub> ] ceramics synthesized by one pot metathesis process. <i>Ferroelectrics</i> , <b>2020</b> , 558, 92-103	0.6	1
21	A Wearable Supercapacitor Based on Conductive PEDOT:PSS-Coated Cloth and a Sweat Electrolyte. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907254	24	115
20	Metal Coated Conductive Fabrics with Graphite Electrodes and Biocompatible Gel Electrolyte for Wearable Supercapacitors. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1901107	6.8	32
19	Metal Coated Fabric Based Supercapacitors <b>2020</b> ,		1
18	Robotic Hands with Intrinsic Tactile Sensing via 3D Printed Soft Pressure Sensors. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 1900080	6	50
17	Enhanced dielectric properties of Ba <sub>3</sub> ZnTa <sub>2</sub> NbxO <sub>9</sub> in microwave region using tungstic acid. <i>Phase Transitions</i> , <b>2020</b> , 93, 175-182	1.3	
16	Silica-Based Organic-Inorganic Hybrid Fluorescent Ink for Security Applications. <i>ACS Omega</i> , <b>2019</b> , 4, 2577-2583	3.9	13
15	3D Printed Interconnects on Bendable Substrates for 3D Circuits <b>2019</b> ,		5
14	Impact of acceptor-type substitution on electrical transport properties of zircon-type EuVO <sub>4</sub> . <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 145-151	6	
13	A facile development of homemade substrate using quench free glass-ceramic composite and printing microstrip patch antenna on it. <i>Materials and Design</i> , <b>2018</b> , 137, 38-46	8.1	15
12	Magnesium-doped zircon-type rare-earth orthovanadates: Structural and electrical characterization. <i>Ceramics International</i> , <b>2018</b> , 44, 96-103	5.1	0

11	Microwave dielectrics: solid solution, ordering and microwave dielectric properties of $(1-x)\text{Ba}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ and $\text{Ba}(\text{Mg}_{1/8}\text{Nb}_{3/4})\text{O}_3$ ceramics. <i>Bulletin of Materials Science</i> , <b>2017</b> , 40, 1165-1170	1.7	1
10	Silver-Decorated Boron Nitride Nanosheets as an Effective Hybrid Filler in PMMA for High-Thermal-Conductivity Electronic Substrates. <i>ACS Omega</i> , <b>2017</b> , 2, 8825-8835	3.9	26
9	Formulation of Sol-Gel Derived Bismuth Silicate Dielectric Ink for Flexible Electronics Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 7108-7115	3.9	22
8	Structural, thermal and dielectric properties of rare earth substituted eulytite for LTCC applications. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 1939-1944	6	16
7	LTCC tapes based on $\text{Al}_2\text{O}_3/\text{BSZ}$ glass with improved thermal conductivity. <i>Ceramics International</i> , <b>2015</b> , 41, 13572-13581	5.1	49
6	Glass free, non-aqueous LTCC tapes of $\text{Bi}_4(\text{SiO}_4)_3$ with high solid loading. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 2313-2320	6	28
5	Amine impregnated porous silica gel sorbents synthesized from water-glass precursors for $\text{CO}_2$ capturing. <i>Chemical Engineering Journal</i> , <b>2015</b> , 269, 335-342	14.7	49
4	Effect of isovalent substitutions on the microwave dielectric properties of $\text{Ca}_4\text{La}_6(\text{SiO}_4)_4(\text{PO}_4)_2\text{O}_2$ apatite. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 546, 72-76	5.7	9
3	Casting and characterization of $\text{LiMgPO}_4$ glass free LTCC tape for microwave applications. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 87-93	6	51
2	Facile Synthesis of Quench-Free Glass-Ceramic Composite for LTCC Applications. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1533-1537	3.8	11
1	Bioinspired Inchworm- and Earthworm-like Soft Robots with Intrinsic Strain Sensing. <i>Advanced Intelligent Systems</i> , 2100092	6	6