

Bhupendra K Sharma

List of Publications by Year in descending order

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28
papers

2,544
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304743

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526287

27
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28
all docs

28
docs citations

28
times ranked

4800
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-based transparent strain sensor. Carbon, 2013, 51, 236-242.	10.3	711
2	Graphene-P(VDF-TrFE) Multilayer Film for Flexible Applications. ACS Nano, 2013, 7, 3130-3138.	14.6	220
3	Two-dimensional materials in functional three-dimensional architectures with applications in photodetection and imaging. Nature Communications, 2018, 9, 1417.	12.8	189
4	Flexible active-matrix organic light-emitting diode display enabled by MoS ₂ thin-film transistor. Science Advances, 2018, 4, eaas8721.	10.3	163
5	A high performance PZT ribbon-based nanogenerator using graphene transparent electrodes. Energy and Environmental Science, 2012, 5, 8970.	30.8	157
6	Synthesis and characterization of polyaniline-ZnO composite and its dielectric behavior. Synthetic Metals, 2009, 159, 391-395.	3.9	134
7	Dielectric properties of nano ZnO-polyaniline composite in the microwave frequency range. Journal of Alloys and Compounds, 2009, 477, 370-373.	5.5	90
8	A ZnO/PEDOT:PSS based inorganic/organic heterojunction. Solid State Communications, 2009, 149, 771-774.	1.9	89
9	Graphene based field effect transistors: Efforts made towards flexible electronics. Solid-State Electronics, 2013, 89, 177-188.	1.4	85
10	Stress-dependent band gap shift and quenching of defects in Al-doped ZnO films. Journal Physics D: Applied Physics, 2010, 43, 465402.	2.8	80
11	Load-Controlled Roll Transfer of Oxide Transistors for Stretchable Electronics. Advanced Functional Materials, 2013, 23, 2024-2032.	14.9	78
12	Graphene-based flexible and wearable electronics. Journal of Semiconductors, 2018, 39, 011007.	3.7	76
13	Stretchable Electroluminescent Display Enabled by Graphene-Based Hybrid Electrode. ACS Applied Materials & Interfaces, 2019, 11, 14222-14228.	8.0	69
14	Surface-Functionalization-Mediated Direct Transfer of Molybdenum Disulfide for Large-Area Flexible Devices. Advanced Functional Materials, 2018, 28, 1706231.	14.9	66
15	Photo-patternable ion gel-gated graphene transistors and inverters on plastic. Nanotechnology, 2014, 25, 014002.	2.6	56
16	Dielectric behavior of polyaniline-CNTs composite in microwave region. Composites Science and Technology, 2009, 69, 1932-1935.	7.8	43
17	Flexible and Stretchable Oxide Electronics. Advanced Electronic Materials, 2016, 2, 1600105.	5.1	42
18	Photoluminescence lifetime of Al-doped ZnO films in visible region. Solid State Communications, 2010, 150, 2341-2345.	1.9	39

#	ARTICLE	IF	CITATIONS
19	High-Performance All-Printed Amorphous Oxide FETs and Logics with Electronically Compatible Electrode/Channel Interface. ACS Applied Materials & Interfaces, 2018, 10, 22408-22418.	8.0	39
20	Thermal stability of metal Ohmic contacts in indium gallium zinc oxide transistors using a graphene barrier layer. Applied Physics Letters, 2013, 102, .	3.3	30
21	MECHANICAL FLEXIBILITY OF ZINC OXIDE THIN-FILM TRANSISTORS PREPARED BY TRANSFER PRINTING METHOD. Modern Physics Letters B, 2012, 26, 1250077.	1.9	27
22	Graphene Based Nanogenerator for Energy Harvesting. Japanese Journal of Applied Physics, 2013, 52, 06GA02.	1.5	26
23	Effect of UV exposure on rectifying behavior of polyaniline/ZnO heterojunction. Semiconductor Science and Technology, 2013, 28, 125022.	2.0	12
24	Study of intermediate states in shape transition of ZnO nanostructures from nanoparticles to nanorods. Chemical Physics Letters, 2011, 515, 62-67.	2.6	9
25	Stress Dependent Band Gap Shift and Valence Band Studies in ZnO Nanorods. Journal of Nanoscience and Nanotechnology, 2010, 10, 8424-8431.	0.9	5
26	Instability in an amorphous InGaZnO field effect transistor upon water exposure. Journal Physics D: Applied Physics, 2016, 49, 055102.	2.8	5
27	Selective growth of inorganic nanomaterials on an oxidized graphene scaffold. Carbon, 2014, 78, 317-325.	10.3	4
28	Polyaniline/ZnO Heterojunction. , 2011, , .		0