# Bhupendra K Sharma

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2513178/publications.pdf

Version: 2024-02-01

| | | 304602 | 526166 |
|---|---|---|---|
| 28 | 2,544 | 22 | 27 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 28 | 28 | 28 | 4800 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Graphene-based transparent strain sensor. Carbon, 2013, 51, 236-242. | 5.4 | 711 |
| 2 | Graphene-P(VDF-TrFE) Multilayer Film for Flexible Applications. ACS Nano, 2013, 7, 3130-3138. | 7.3 | 220 |
| 3 | Two-dimensional materials in functional three-dimensional architectures with applications in photodetection and imaging. Nature Communications, 2018, 9, 1417. | 5.8 | 189 |
| 4 | Flexible active-matrix organic light-emitting diode display enabled by MoS <sub>2</sub> thin-film transistor. Science Advances, 2018, 4, eaas8721. | 4.7 | 163 |
| 5 | A high performance PZT ribbon-based nanogenerator using graphene transparent electrodes. Energy and Environmental Science, 2012, 5, 8970. | 15.6 | 157 |
| 6 | Synthesis and characterization of polyanilineâ€“ZnO composite and its dielectric behavior. Synthetic Metals, 2009, 159, 391-395. | 2.1 | 134 |
| 7 | Dielectric properties of nano ZnO-polyaniline composite in the microwave frequency range. Journal of Alloys and Compounds, 2009, 477, 370-373. | 2.8 | 90 |
| 8 | A ZnO/PEDOT:PSS based inorganic/organic hetrojunction. Solid State Communications, 2009, 149, 771-774. | 0.9 | 89 |
| 9 | Graphene based field effect transistors: Efforts made towards flexible electronics. Solid-State Electronics, 2013, 89, 177-188. | 0.8 | 85 |
| 10 | Stress-dependent band gap shift and quenching of defects in Al-doped ZnO films. Journal Physics D: Applied Physics, 2010, 43, 465402. | 1.3 | 80 |
| 11 | Loadâ€Controlled Roll Transfer of Oxide Transistors for Stretchable Electronics. Advanced Functional Materials, 2013, 23, 2024-2032. | 7.8 | 78 |
| 12 | Graphene-based flexible and wearable electronics. Journal of Semiconductors, 2018, 39, 011007. | 2.0 | 76 |
| 13 | Stretchable Electroluminescent Display Enabled by Graphene-Based Hybrid Electrode. ACS Applied Materials & Interfaces, 2019, 11, 14222-14228. | 4.0 | 69 |
| 14 | Surfaceâ€Functionalizationâ€Mediated Direct Transfer of Molybdenum Disulfide for Largeâ€Area Flexible Devices. Advanced Functional Materials, 2018, 28, 1706231. | 7.8 | 66 |
| 15 | Photo-patternable ion gel-gated graphene transistors and inverters on plastic. Nanotechnology, 2014, 25, 014002. | 1.3 | 56 |
| 16 | Dielectric behavior of polyanilineâ€“CNTs composite in microwave region. Composites Science and Technology, 2009, 69, 1932-1935. | 3.8 | 43 |
| 17 | Flexible and Stretchable Oxide Electronics. Advanced Electronic Materials, 2016, 2, 1600105. | 2.6 | 42 |
| 18 | Photoluminescence lifetime of Al-doped ZnO films in visible region. Solid State Communications, 2010, 150, 2341-2345. | 0.9 | 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. | 4.0 | 39 |
| 20 | Thermal stability of metal Ohmic contacts in indium gallium zinc oxide transistors using a graphene barrier layer. Applied Physics Letters, 2013, 102, . | 1.5 | 30 |
| 21 | MECHANICAL FLEXIBILITY OF ZINC OXIDE THIN-FILM TRANSISTORS PREPARED BY TRANSFER PRINTING METHOD. Modern Physics Letters B, 2012, 26, 1250077. | 1.0 | 27 |
| 22 | Graphene Based Nanogenerator for Energy Harvesting. Japanese Journal of Applied Physics, 2013, 52, 06GA02. | 0.8 | 26 |
| 23 | Effect of UV exposure on rectifying behavior of polyaniline/ZnO heterojunction. Semiconductor Science and Technology, 2013, 28, 125022. | 1.0 | 12 |
| 24 | Study of intermediate states in shape transition of ZnO nanostructures from nanoparticles to nanorods. Chemical Physics Letters, 2011, 515, 62-67. | 1.2 | 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 Inâ€“Gaâ€“Znâ€“O field effect transistor upon water exposure. Journal Physics D: Applied Physics, 2016, 49, 055102. | 1.3 | 5 |
| 27 | Selective growth of inorganic nanomaterials on an oxidized graphene scaffold. Carbon, 2014, 78, 317-325. | 5.4 | 4 |
| 28 | Polyanilineâ•ZnO Heterojunction. , 2011, , . | | 0 |