

Shawn Bourdo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6846438/publications.pdf>

Version: 2024-02-01

56
papers

1,698
citations

304743

22
h-index

289244

40
g-index

57
all docs

57
docs citations

57
times ranked

2963
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Phosphorous and nitrogen dual heteroatom doped mesoporous carbon synthesized via microwave method for supercapacitor application. <i>Journal of Power Sources</i> , 2014, 250, 257-265. | 7.8 | 216 |
| 2 | Organic Solar Cells: A Review of Materials, Limitations, and Possibilities for Improvement. <i>Particulate Science and Technology</i> , 2013, 31, 427-442. | 2.1 | 150 |
| 3 | Graphene supports <i>in vitro</i> proliferation and osteogenic differentiation of goat adult mesenchymal stem cells: potential for bone tissue engineering. <i>Journal of Applied Toxicology</i> , 2015, 35, 367-374. | 2.8 | 122 |
| 4 | Electrical, Optical, and Morphological Properties of P3HT-MWNT Nanocomposites Prepared by in Situ Polymerization. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8023-8029. | 3.1 | 97 |
| 5 | Exceptional Superhydrophobicity and Low Velocity Impact Icephobicity of Acetone-Functionalized Carbon Nanotube Films. <i>Langmuir</i> , 2011, 27, 9936-9943. | 3.5 | 96 |
| 6 | Graphite/Polyaniline (GP) composites: Synthesis and characterization. <i>Carbon</i> , 2005, 43, 2983-2988. | 10.3 | 71 |
| 7 | Structural, Electrical, and Thermal Behavior of Graphite-Polyaniline Composites with Increased Crystallinity. <i>Advanced Functional Materials</i> , 2008, 18, 432-440. | 14.9 | 68 |
| 8 | Oxygen Reduction Reaction Studies of Phosphorus and Nitrogen Co-Doped Mesoporous Carbon Synthesized via Microwave Technique. <i>ChemElectroChem</i> , 2014, 1, 573-579. | 3.4 | 67 |
| 9 | Graphene nanoparticles as osteoinductive and osteoconductive platform for stem cell and bone regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2117-2126. | 3.3 | 52 |
| 10 | Tuning the work function of polyaniline via camphorsulfonic acid: an X-ray photoelectron spectroscopy investigation. <i>RSC Advances</i> , 2015, 5, 33-40. | 3.6 | 49 |
| 11 | Comparative Aging Study of Organic Solar Cells Utilizing Polyaniline and PEDOT:PSS as Hole Transport Layers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27667-27675. | 8.0 | 45 |
| 12 | Ammonia Gas Sensing Behavior of Tanninsulfonic Acid Doped Polyaniline-TiO ₂ Composite. <i>Sensors</i> , 2015, 15, 26415-26429. | 3.8 | 43 |
| 13 | The role of surface chemistry in the cytotoxicity profile of graphene. <i>Journal of Applied Toxicology</i> , 2017, 37, 462-470. | 2.8 | 38 |
| 14 | Electrocatalytic and supercapacitor performance of Phosphorous and Nitrogen co-doped Porous Carbons synthesized from Aminated Tannins. <i>Electrochimica Acta</i> , 2015, 182, 987-994. | 5.2 | 33 |
| 15 | Optimization of the Protonation Level of Polyaniline-Based Hole-Transport Layers in Bulk-Heterojunction Organic Solar Cells. <i>Energy Technology</i> , 2013, 1, 463-470. | 3.8 | 32 |
| 16 | <p>Functionalized Graphene Nanoparticles Induce Human Mesenchymal Stem Cells to Express Distinct Extracellular Matrix Proteins Mediating Osteogenesis</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2501-2513. | 6.7 | 27 |
| 17 | Single-walled carbon nanotubes as specific targeting and Raman spectroscopic agents for detection and discrimination of single human breast cancer cells. <i>Journal of Biomedical Optics</i> , 2013, 18, 055003. | 2.6 | 26 |
| 18 | Hybrid Perovskite Photovoltaic Devices: Properties, Architecture, and Fabrication Methods. <i>Energy Technology</i> , 2017, 5, 373-401. | 3.8 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Photovoltaic Device Performance of Single-Walled Carbon Nanotube and Polyaniline Films on n-Si: Device Structure Analysis. ACS Applied Materials & Interfaces, 2012, 4, 363-368. | 8.0 | 25 |
| 20 | Electrical and thermal properties of graphite/polyaniline composites. Journal of Solid State Chemistry, 2012, 196, 309-313. | 2.9 | 25 |
| 21 | Microwave-Assisted Synthesis of Nitrogen and Phosphorus Co-Doped Mesoporous Carbon and Their Potential Application in Alkaline Fuel Cells. Science of Advanced Materials, 2013, 5, 1275-1281. | 0.7 | 25 |
| 22 | Catalytic Conversion of Graphene into Carbon Nanotubes <i>via</i> Gold Nanoclusters at Low Temperatures. ACS Nano, 2012, 6, 501-511. | 14.6 | 24 |
| 23 | Optimizing Lignosulfonic Acid-Grafted Polyaniline as a Hole-Transport Layer for Inverted CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. ACS Omega, 2020, 5, 1887-1901. | 3.5 | 23 |
| 24 | Physicochemical characteristics of pristine and functionalized graphene. Journal of Applied Toxicology, 2017, 37, 1288-1296. | 2.8 | 22 |
| 25 | Functionalized gold nanorod nanocomposite system to modulate differentiation of human mesenchymal stem cells into neural-like progenitors. Scientific Reports, 2017, 7, 16654. | 3.3 | 20 |
| 26 | Polyurethane/nano-hydroxyapatite composite films as osteogenic platforms. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1426-1443. | 3.5 | 18 |
| 27 | Hierarchical ZnO Structure with Superhydrophobicity and High Adhesion. ChemPhysChem, 2011, 12, 2412-2414. | 2.1 | 15 |
| 28 | Graphene-based 2D constructs for enhanced fibroblast support. PLoS ONE, 2020, 15, e0232670. | 2.5 | 14 |
| 29 | Synthesis and characterization of tanninsulfonic acid doped polyaniline-metal oxide nanocomposites. Journal of Applied Polymer Science, 2012, 124, 3320-3328. | 2.6 | 13 |
| 30 | Phosphate removal from wastewater using novel renewable resource-based, cerium/manganese oxide-based nanocomposites. Environmental Science and Pollution Research, 2020, 27, 36688-36703. | 5.3 | 13 |
| 31 | Surface Passivation of Triple-Cation Perovskite via Organic Halide-Saturated Antisolvent for Inverted Planar Solar Cells. ACS Applied Energy Materials, 2021, 4, 3297-3309. | 5.1 | 13 |
| 32 | Evaluation of a Renewable Resource-based Carbon-Iron Oxide Nanocomposite for Removal of Arsenic from Contaminated Water. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 348-354. | 2.2 | 12 |
| 33 | T lymphocytes dominate local leukocyte infiltration in response to intradermal injection of functionalized graphene-based nanomaterial. Journal of Applied Toxicology, 2017, 37, 1317-1324. | 2.8 | 12 |
| 34 | <i>p53</i> -competent cells and <i>p53</i> -deficient cells display different susceptibility to oxygen functionalized graphene cytotoxicity and genotoxicity. Journal of Applied Toxicology, 2017, 37, 1333-1345. | 2.8 | 12 |
| 35 | Evaluation of a bone filler scaffold for local antibiotic delivery to prevent Staphylococcus aureus infection in a contaminated bone defect. Scientific Reports, 2021, 11, 10254. | 3.3 | 12 |
| 36 | In vivo noninvasive analysis of graphene nanomaterial pharmacokinetics using photoacoustic flow cytometry. Journal of Applied Toxicology, 2017, 37, 1297-1304. | 2.8 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Evaluation of a Polyurethane Platform for Delivery of Nanohydroxyapatite and Decellularized Bone Particles in a Porous Three-Dimensional Scaffold. <i>ACS Applied Bio Materials</i> , 2019, 2, 1815-1829. | 4.6 | 11 |
| 38 | Acid-free polyaniline:graphene-oxide hole transport layer in organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21640-21650. | 2.2 | 11 |
| 39 | Low-temperature (150°C) carbon nanotube growth on a catalytically active iron oxide-graphene nano-structural system. <i>Journal of Catalysis</i> , 2013, 299, 307-315. | 6.2 | 10 |
| 40 | Quantification of cellular associated graphene and induced surface receptor responses. <i>Nanoscale</i> , 2019, 11, 932-944. | 5.6 | 10 |
| 41 | Cytotoxicity profile of pristine graphene on brain microvascular endothelial cells. <i>Journal of Applied Toxicology</i> , 2019, 39, 966-973. | 2.8 | 10 |
| 42 | Catalytic effects of selected transition metal ions in the synthesis of lignosulfonic acid doped polyaniline. <i>Journal of Applied Polymer Science</i> , 2005, 98, 29-33. | 2.6 | 9 |
| 43 | Solar cells with graphene and carbon nanotubes on silicon. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 565-572. | 2.4 | 9 |
| 44 | Genetic profiling of human bone marrow and adipose tissue-derived mesenchymal stem cells reveals differences in osteogenic signaling mediated by graphene. <i>Journal of Nanobiotechnology</i> , 2021, 19, 285. | 9.1 | 9 |
| 45 | Separation and spectroscopic/molecular weight analysis of crude and purified polyaniline(s). <i>Journal of Polymer Research</i> , 2013, 20, 1. | 2.4 | 8 |
| 46 | Calcium-channel blocking and nanoparticles-based drug delivery for treatment of drug-resistant human cancers. <i>Therapeutic Delivery</i> , 2014, 5, 763-780. | 2.2 | 8 |
| 47 | Novel Microwave-Assisted Synthesis of Nickel/Carbon (Ni/C) Nanocomposite with Tannin as the Carbon Source. <i>Journal of Wood Chemistry and Technology</i> , 2011, 31, 345-356. | 1.7 | 7 |
| 48 | Performance dependence of SWCNT/n-silicon hybrid solar cells on the charge carrier concentration in silicon substrates. <i>RSC Advances</i> , 2015, 5, 621-627. | 3.6 | 7 |
| 49 | Multiomics Evaluation of Human Fat-Derived Mesenchymal Stem Cells on an Osteobiologic Nanocomposite. <i>BioResearch Open Access</i> , 2020, 9, 37-50. | 2.6 | 6 |
| 50 | New Route of Microwave-Assisted Synthesis of Carbon-Supported Nickel Phosphide (C/Ni ₂ P) Nanocomposite. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 768-777. | 1.6 | 3 |
| 51 | Synthesis of "Naked" TeO ₂ Nanoparticles for Biomedical Applications. <i>ACS Omega</i> , 2022, 7, 23685-23694. | 3.5 | 3 |
| 52 | Electrical transport properties of (110)-oriented PrBa ₂ (Cu _{0.8} Ga _{0.2}) ₃ O ₇ thin films. <i>Applied Physics Letters</i> , 2012, 100, 252601. | 3.3 | 2 |
| 53 | Novel Microwave-Assisted Synthesis of Renewable-Resource Based Carbon-Magnetite Nanocomposites. <i>Journal of Wood Chemistry and Technology</i> , 2012, 32, 268-278. | 1.7 | 2 |
| 54 | Dendritic cell biocompatibility of ether-based urethane films. <i>Journal of Applied Toxicology</i> , 2021, 41, 1456-1466. | 2.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Improved efficiency of inverted planar perovskite solar cells with an ultrahigh work function doped polymer as an alternative hole transport layer. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4411-4423. | 5.5 | 2 |
| 56 | Electrical transport and Raman spectral studies of (110)-oriented PrBa ₂ (Cu _{0.8} M _{0.2}) ₃ O ₇ (M = Ga, Al, Zn). <i>J. Appl. Phys.</i> 2019, 125, 084101. | 2.5 | 1 |