# Subhra Mohapatra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1262062/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 54 papers | 1,647 citations | 361413 20 h-index | 302126 39 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 2792 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | New perspectives on central and peripheral immune responses to acute traumatic brain injury. Journal of Neuroinflammation, 2012, 9, 236. | 7.2 | 216 |
| 2 | Multifunctional chitosan magnetic-graphene (CMG) nanoparticles: a theranostic platform for tumor-targeted co-delivery of drugs, genes and MRI contrast agents. Journal of Materials Chemistry B, 2013, 1, 4396. | 5.8 | 155 |
| 3 | A 3D Fibrous Scaffold Inducing Tumoroids: A Platform for Anticancer Drug Development. PLoS ONE, 2013, 8, e75345. | 2.5 | 109 |
| 4 | Withania Somnifera (Ashwagandha) and Withaferin A: Potential in Integrative Oncology. International Journal of Molecular Sciences, 2019, 20, 5310. | 4.1 | 104 |
| 5 | Emerging Nano-Formulations and Nanomedicines Applications for Ocular Drug Delivery. Nanomaterials, 2021, 11, 173. | 4.1 | 88 |
| 6 | Dual-purpose magnetic micelles for MRI and gene delivery. Journal of Controlled Release, 2012, 163, 82-92. | 9.9 | 83 |
| 7 | Natriuretic Peptide Receptor A as a Novel Anticancer Target. Cancer Research, 2008, 68, 249-256. | 0.9 | 67 |
| 8 | Lateral fluid percussion injury of the brain induces CCL20 inflammatory chemokine expression in rats. Journal of Neuroinflammation, 2011, 8, 148. | 7.2 | 64 |
| 9 | Mithramycin A Inhibits Colorectal Cancer Growth by Targeting Cancer Stem Cells. Scientific Reports, 2019, 9, 15202. | 3.3 | 44 |
| 10 | Surface Acoustic Waves (SAW)-Based Biosensing for Quantification of Cell Growth in 2D and 3D Cultures. Sensors, 2015, 15, 32045-32055. | 3.8 | 42 |
| 11 | Respiratory Syncytial Virus-Infected Mesenchymal Stem Cells Regulate Immunity via Interferon Beta and Indoleamine-2,3-Dioxygenase. PLoS ONE, 2016, 11, e0163709. | 2.5 | 36 |
| 12 | Prevention of airway inflammation with topical cream containing imiquimod and small interfering RNA for natriuretic peptide receptor. Genetic Vaccines and Therapy, 2008, 6, 7. | 1.5 | 35 |
| 13 | Preparation and Characterization of Molecularly Imprinted Polymeric Nanoparticles for Atrial Natriuretic Peptide (ANP). Advanced Functional Materials, 2011, 21, 4423-4429. | 14.9 | 32 |
| 14 | Magnetic micelles for DNA delivery to rat brains after mild traumatic brain injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1539-1548. | 3.3 | 31 |
| 15 | Actinomycin D Down-regulates SOX2 Expression and Induces Death in Breast Cancer Stem Cells. Anticancer Research, 2017, 37, 1655-1663. | 1.1 | 31 |
| 16 | Readiness of Magnetic Nanobiosensors for Point-of-Care Commercialization. Journal of Electronic Materials, 2019, 48, 4749-4761. | 2.2 | 30 |
| 17 | Nanoscale Drug-Delivery Systems. , 2019, , 395-419. | | 30 |
| 18 | Natriuretic Peptide Receptor A as a Novel Target for Prostate Cancer. Molecular Cancer, 2011, 10, 56. | 19.2 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Finite Element Analysis for Surface Acoustic Wave Device Characteristic Properties and Sensitivity. Sensors, 2019, 19, 1749. | 3.8 | 29 |
| 20 | Natriuretic Peptide Receptor A Signaling Regulates Stem Cell Recruitment and Angiogenesis: A Model to Study Linkage Between Inflammation and Tumorigenesis. Stem Cells, 2013, 31, 1321-1329. | 3.2 | 24 |
| 21 | CCL20-CCR6 axis modulated traumatic brain injury-induced visual pathologies. Journal of Neuroinflammation, 2019, 16, 115. | 7.2 | 23 |
| 22 | Extracellular vesicles derived from inflammatory-educated stem cells reverse brain inflammationâ€"implication of miRNAs. Molecular Therapy, 2022, 30, 816-830. | 8.2 | 22 |
| 23 | Identification of SARS-CoV-2 Spike Palmitoylation Inhibitors That Results in Release of Attenuated Virus with Reduced Infectivity. Viruses, 2022, 14, 531. | 3.3 | 22 |
| 24 | Actinomycin D and Telmisartan Combination Targets Lung Cancer Stem Cells Through the Wnt/Beta Catenin Pathway. Scientific Reports, 2019, 9, 18177. | 3.3 | 21 |
| 25 | Potential of mesenchymal stem cells alone, or in combination, to treat traumatic brain injury. CNS Neuroscience and Therapeutics, 2020, 26, 616-627. | 3.9 | 21 |
| 26 | Respiratory Syncytial Virus (RSV) Infection in Elderly Mice Results in Altered Antiviral Gene Expression and Enhanced Pathology. PLoS ONE, 2014, 9, e88764. | 2.5 | 20 |
| 27 | Lung cancer cells survive epidermal growth factor receptor tyrosine kinase inhibitor exposure through upregulation of cholesterol synthesis. FASEB BioAdvances, 2020, 2, 90-105. | 2.4 | 19 |
| 28 | Pioglitazone treatment prior to transplantation improves the efficacy of human mesenchymal stem cells after traumatic brain injury in rats. Scientific Reports, 2019, 9, 13646. | 3.3 | 18 |
| 29 | A Multiple siRNA-Based Anti-HIV/SHIV Microbicide Shows Protection in Both In Vitro and In Vivo Models. PLoS ONE, 2015, 10, e0135288. | 2.5 | 17 |
| 30 | The trimeric autotransporter adhesin BadA is required for in vitro biofilm formation by Bartonella henselae. Npj Biofilms and Microbiomes, 2019, 5, 10. | 6.4 | 16 |
| 31 | Multiple-layer guided surface acoustic wave (SAW)-based pH sensing in longitudinal FiSS-tumoroid cultures. Biosensors and Bioelectronics, 2019, 124-125, 244-252. | 10.1 | 16 |
| 32 | Treatment with shCCL20-CCR6 nanodendriplexes and human mesenchymal stem cell therapy improves pathology in mice with repeated traumatic brain injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102247. | 3.3 | 13 |
| 33 | Degradable poly(catechin) nanoparticles as a versatile therapeutic agent. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1104-1115. | 3.4 | 13 |
| 34 | Point-of-Care Diagnostics: Molecularly Imprinted Polymers and Nanomaterials for Enhanced Biosensor Selectivity and Transduction. The EuroBiotech Journal, 2020, 4, 184-206. | 1.0 | 13 |
| 35 | Biofabrication of Chitosan-Based Nanomedicines and Its Potential Use for Translational Ophthalmic Applications. Applied Sciences (Switzerland), 2020, 10, 4189. | 2.5 | 12 |
| 36 | Vision impairment after traumatic brain injury: present knowledge and future directions. Reviews in the Neurosciences, 2019, 30, 305-315. | 2.9 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Hyperoxia-induced cardiotoxicity and ventricular remodeling in type-II diabetes mice. Heart and Vessels, 2018, 33, 561-572. | 1.2 | 10 |
| 38 | Precision Medicine for CRC Patients in the Veteran Population: State-of-the-Art, Challenges and Research Directions. Digestive Diseases and Sciences, 2018, 63, 1123-1138. | 2.3 | 9 |
| 39 | Nanobiotechnology medical applications: Overcoming challenges through innovation. The EuroBiotech Journal, 2018, 2, 146-160. | 1.0 | 9 |
| 40 | Combination Therapy of Mithramycin A and Immune Checkpoint Inhibitor for the Treatment of Colorectal Cancer in an Orthotopic Murine Model. Frontiers in Immunology, 2021, 12, 706133. | 4.8 | 9 |
| 41 | Pharmacokinetics of Polymeric Micelles for Cancer Treatment. Current Drug Metabolism, 2013, 14, 900-909. | 1.2 | 9 |
| 42 | The design and characterization of a gravitational microfluidic platform for drug sensitivity assay in colorectal perfused tumoroid cultures. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102294. | 3.3 | 8 |
| 43 | Modulation of lung inflammation by vessel dilator in a mouse model of allergic asthma. Respiratory Research, 2009, 10, 66. | 3.6 | 6 |
| 44 | Three- and Four-Dimensional Spheroid and FiSS Tumoroid Cultures: Platforms for Drug Discovery and Development and Translational Research. Critical Reviews in Therapeutic Drug Carrier Systems, 2017, 34, 185-208. | 2.2 | 6 |
| 45 | Advances in Translational Nanotechnology: Challenges and Opportunities. Applied Sciences (Switzerland), 2020, 10, 4881. | 2.5 | 6 |
| 46 | Plasmid-encoded NP73-102 modulates atrial natriuretic peptide receptor signaling and plays a critical role in inducing tolerogenic dendritic cells. Genetic Vaccines and Therapy, 2011, 9, 3. | 1.5 | 5 |
| 47 | Perturbation Analysis of a Multiple Layer Guided Love Wave Sensor in a Viscoelastic Environment. Sensors, 2019, 19, 4533. | 3.8 | 4 |
| 48 | A multifunctional nanoparticle as a prophylactic and therapeutic approach targeting respiratory syncytial virus. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 32, 102325. | 3.3 | 4 |
| 49 | Sertoli Cells Loaded with Doxorubicin in Lipid Micelles Reduced Tumor Burden and Dox-Induced Toxicity. Cell Transplantation, 2017, 26, 1694-1702. | 2.5 | 3 |
| 50 | Molecular mechanismâ€“driven new biomarkers and therapies for atopic dermatitis. Journal of Allergy and Clinical Immunology, 2020, 146, 72-73. | 2.9 | 2 |
| 51 | A polyphenolic biomacromolecule prepared from a flavonoid: Catechin as degradable microparticles. Journal of Applied Polymer Science, 2021, 138, 50576. | 2.6 | 1 |
| 52 | Cholesterol Biosensor Based on Nanodiamond-Polypyrrole Conducting Nanocomposite Membrane. Materials Research Society Symposia Proceedings, 2012, 1414, 26. | 0.1 | 0 |
| 53 | Nano/bio interface:impact on drug delivery applications. Drug Delivery and Translational Research, 2013, 3, 295-296. | 5.8 | 0 |
| 54 | Biopolymeric systems for the delivery of nucleic acids. , 2021, , 635-661. | | 0 |