

Srabani Kar

List of Publications by Year in descending order

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33
papers

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citations

623734

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docs citations

35
times ranked

546
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Light-Induced Cellular Delivery and Analysis. , 2022, , 3-30. | | 1 |
| 2 | Microfluidic nanomaterials: From synthesis to biomedical applications. Biomaterials, 2022, 280, 121247. | 11.4 | 35 |
| 3 | Microfluidic mechanoporation for cellular delivery and analysis. Materials Today Bio, 2022, 13, 100193. | 5.5 | 18 |
| 4 | Microfluidic platforms for single neuron analysis. Materials Today Bio, 2022, 13, 100222. | 5.5 | 11 |
| 5 | The physics of terahertz negative photoconductivity in low-dimensional materials. Materials Today Physics, 2022, 23, 100631. | 6.0 | 10 |
| 6 | Long-Term Stability and Optoelectronic Performance Enhancement of InAsP Nanowires with an Ultrathin InP Passivation Layer. Nano Letters, 2022, 22, 3433-3439. | 9.1 | 3 |
| 7 | Gold-Polystyrene Core-Shell Hybrid Nanoparticles Mediated Highly Efficient Intracellular Delivery Using Light Pulses. , 2021, , . | | 0 |
| 8 | Fabrication of TiO ₂ microspikes for highly efficient intracellular delivery by pulse laser-assisted photoporation. RSC Advances, 2021, 11, 9336-9348. | 3.6 | 18 |
| 9 | Dirac surface plasmons in photoexcited bismuth telluride nanowires: optical pump-terahertz probe spectroscopy. Nanoscale, 2021, 13, 8283-8292. | 5.6 | 8 |
| 10 | Light-Induced Cellular Delivery and Analysis. , 2021, , 1-29. | | 2 |
| 11 | Pulsed laser assisted high-throughput intracellular delivery in hanging drop based three dimensional cancer spheroids. Analyst, The, 2021, 146, 4756-4766. | 3.5 | 22 |
| 12 | Can titanium oxide nanotubes facilitate intracellular delivery by laser-assisted photoporation?. Applied Surface Science, 2021, 543, 148815. | 6.1 | 14 |
| 13 | Electrochemical fabrication of TiO ₂ micro-flowers for an efficient intracellular delivery using nanosecond light pulse. Materials Chemistry and Physics, 2021, 267, 124604. | 4.0 | 16 |
| 14 | Nano-localized single-cell nano-electroporation. Lab on A Chip, 2020, 20, 4194-4204. | 6.0 | 30 |
| 15 | Infrared Pulse Laser-Activated Highly Efficient Intracellular Delivery Using Titanium Microdish Device. ACS Biomaterials Science and Engineering, 2020, 6, 5645-5652. | 5.2 | 33 |
| 16 | Near-infrared nanosecond-pulsed laser-activated highly efficient intracellular delivery mediated by nano-corrugated mushroom-shaped gold-coated polystyrene nanoparticles. Nanoscale, 2020, 12, 12057-12067. | 5.6 | 49 |
| 17 | Physical approaches for drug delivery. , 2020, , 161-190. | | 18 |
| 18 | Formation of nanostructures on magnesium alloy by anodization for potential biomedical applications. Materials Today Communications, 2020, 25, 101403. | 1.9 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Terahertz Time-Domain Spectroscopy. , 2020, 1, 1-4. | | 1 |
| 20 | Nanosecond Pulsed Laser Activated Massively Parallel Single-cell Intracellular Delivery Using Ti Micro-Dish. , 2020, , . | | 0 |
| 21 | High Charge Carrier Mobilities and Long Diffusion Lengths in Tin Based Metal Halide Perovskite. , 2020, , . | | 0 |
| 22 | Enhanced Performance of InAsP Nanowires with Ultra-thin Passivation Layer. , 2019, , . | | 0 |
| 23 | Terahertz Spectroscopy to Unveil Intraband Scattering in Photoexcited Graphene. , 2019, , . | | 0 |
| 24 | Ultrafast terahertz photoresponse of single and double-walled carbon nanotubes: Optical pump-terahertz probe spectroscopy. Carbon, 2019, 144, 731-736. | 10.3 | 19 |
| 25 | Engineering III-V Nanowires for Optoelectronics: From Visible to Terahertz. , 2019, , . | | 0 |
| 26 | Ultrafast Spectral Photoresponse of Bilayer Graphene: Optical Pump-Terahertz Probe Spectroscopy. ACS Nano, 2018, 12, 1785-1792. | 14.6 | 23 |
| 27 | Single-cell electroporation: current trends, applications and future prospects. Journal of Micromechanics and Microengineering, 2018, 28, 123002. | 2.6 | 54 |
| 28 | Tunable terahertz photoconductivity of hydrogen functionalized graphene using optical pump-terahertz probe spectroscopy. Nanoscale, 2018, 10, 14321-14330. | 5.6 | 10 |
| 29 | Probing Photoexcited Carriers in a Few-Layer MoS ₂ Laminate by Time-Resolved Optical Pump-Terahertz Probe Spectroscopy. ACS Nano, 2015, 9, 12004-12010. | 14.6 | 84 |
| 30 | Tuning photoinduced terahertz conductivity in monolayer graphene: Optical-pump terahertz-probe spectroscopy. Physical Review B, 2014, 90, . | 3.2 | 49 |
| 31 | Nanolocalized single cell membrane nanoelectroporation. , 2014, , . | | 1 |
| 32 | Nanolocalized Single-Cell-Membrane Nanoelectroporation: For higher efficiency with high cell viability.. IEEE Nanotechnology Magazine, 2014, 8, 30-34. | 1.3 | 14 |
| 33 | Time resolved terahertz spectroscopy of low frequency electronic resonances and optical pump-induced terahertz photoconductivity in reduced graphene oxide membrane. Carbon, 2014, 80, 762-770. | 10.3 | 19 |