

Sanjay Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

717
citations

643344

15
h-index

620720

26
g-index

33
all docs

33
docs citations

33
times ranked

797
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Characteristics of aircraft flypast noise around Singapore Changi international airport. Applied Acoustics, 2022, 185, 108418. | 1.7 | 3 |
| 2 | Comparison of Cabin Noise of Airport Express Rail Systems. Acoustics, 2022, 4, 1-13. | 0.8 | 1 |
| 3 | Acoustical performance of ventilated aluminum T-slot columns-based sonic cage. Applied Acoustics, 2022, 193, 108779. | 1.7 | 4 |
| 4 | Assessment of in-cabin noise of wide-body aircrafts. Applied Acoustics, 2022, 194, 108809. | 1.7 | 6 |
| 5 | Acoustic performance of sonic metacage consisting of Helmholtz's resonator columns with internal partitions. Applied Acoustics, 2022, 196, 108887. | 1.7 | 4 |
| 6 | Perspectives on the Sonic Environment and Noise Mitigations during the COVID-19 Pandemic Era. Acoustics, 2021, 3, 493-506. | 0.8 | 8 |
| 7 | Psychoacoustic Analysis of Vacuum Cleaner Noise. Acoustics, 2021, 3, 545-559. | 0.8 | 2 |
| 8 | Noise assessment of elevated rapid transit railway lines and acoustic performance comparison of different noise barriers for mitigation of elevated railway tracks noise. Applied Acoustics, 2021, 183, 108340. | 1.7 | 18 |
| 9 | Proof-of-Concept Design for MPP Acoustic Absorbers with Elements of Art. Designs, 2021, 5, 72. | 1.3 | 4 |
| 10 | Mitigating the toilet flush noise: A psychometric analysis of noise assessment and design of labyrinthine acoustic Meta-absorber for noise mitigation. Journal of the Acoustical Society of America, 2021, 150, 3747-3762. | 0.5 | 1 |
| 11 | Ventilated acoustic metamaterial window panels for simultaneous noise shielding and air circulation. Applied Acoustics, 2020, 159, 107088. | 1.7 | 64 |
| 12 | The perspective of fluid flow behavior of respiratory droplets and aerosols through the facemasks in context of SARS-CoV-2. Physics of Fluids, 2020, 32, 111301. | 1.6 | 42 |
| 13 | Ashok chakra-structured meta-structure as a perfect sound absorber for broadband low-frequency sound. Applied Physics Letters, 2020, 117, 191901. | 1.5 | 9 |
| 14 | Recent Advances in Acoustic Metamaterials for Simultaneous Sound Attenuation and Air Ventilation Performances. Crystals, 2020, 10, 686. | 1.0 | 34 |
| 15 | Labyrinthine acoustic metastructures enabling broadband sound absorption and ventilation. Applied Physics Letters, 2020, 116, . | 1.5 | 91 |
| 16 | The Present and Future Role of Acoustic Metamaterials for Architectural and Urban Noise Mitigations. Acoustics, 2019, 1, 590-607. | 0.8 | 50 |
| 17 | Thermal tuning of negative effective mass density in a two-dimensional acoustic metamaterial with hexagonal lattice. Journal of Applied Physics, 2019, 126, . | 1.1 | 17 |
| 18 | Investigation of structure's mechanical property relationship in fused filament fabrication of the polymer composites. Journal of Micromanufacturing, 2019, 2, 167-174. | 0.6 | 14 |

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|----|---|-----|-----------|
| 19 | Additive manufacturing as an emerging technology for fabrication of microelectromechanical systems (MEMS). <i>Journal of Micromanufacturing</i> , 2019, 2, 175-197. | 0.6 | 37 |
| 20 | Recent Advances in Active Acoustic Metamaterials. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950081. | 1.3 | 29 |
| 21 | A Historical Perspective on Paper Microfluidic Based Point-of-Care Diagnostics. <i>Advanced Functional Materials and Sensors</i> , 2019, , 1-5. | 1.2 | 2 |
| 22 | Fluid Transport Mechanisms in Paper-Based Microfluidic Devices. <i>Advanced Functional Materials and Sensors</i> , 2019, , 7-28. | 1.2 | 7 |
| 23 | Double negative acoustic metastructure for attenuation of acoustic emissions. <i>Applied Physics Letters</i> , 2018, 112, . | 1.5 | 36 |
| 24 | Fabrication of Nanostructures with Bottom-up Approach and Their Utility in Diagnostics, Therapeutics, and Others. <i>Energy, Environment, and Sustainability</i> , 2018, , 167-198. | 0.6 | 39 |
| 25 | Positively Charged Silver Nanoparticles as Labels for Paper-Based Colorimetric Detection of Heparin. <i>IFMBE Proceedings</i> , 2018, , 235-240. | 0.2 | 5 |
| 26 | Tapered lateral flow immunoassay based point-of-care diagnostic device for ultrasensitive colorimetric detection of dengue NS1. <i>Biomicrofluidics</i> , 2018, 12, 034104. | 1.2 | 47 |
| 27 | Facile synthesis of Au@Ag-hemin decorated reduced graphene oxide sheets: a novel peroxidase mimetic for ultrasensitive colorimetric detection of hydrogen peroxide and glucose. <i>RSC Advances</i> , 2017, 7, 37568-37577. | 1.7 | 45 |
| 28 | Development of a paper-based analytical device for colorimetric detection of uric acid using gold nanoparticles-graphene oxide (AuNPs-graphene oxide) conjugates. <i>Analytical Methods</i> , 2016, 8, 6965-6973. | 1.3 | 48 |
| 29 | Computer-aided genetic algorithm based multi-objective optimization of laser trepan drilling. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 1119-1125. | 1.1 | 33 |
| 30 | Diagnosis of communicable diseases using papepr microfluidic platforms. , 0, , 29-57. | | 5 |