

# Sanjay Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

717  
citations

567247

15  
h-index

552766

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

699  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Characteristics of aircraft flypast noise around Singapore Changi international airport. Applied Acoustics, 2022, 185, 108418.   | 3.3 | 3         |
| 2  | Comparison of Cabin Noise of Airport Express Rail Systems. Acoustics, 2022, 4, 1-13.   | 1.4 | 1         |
| 3  | Acoustical performance of ventilated aluminum T-slot columns-based sonic cage. Applied Acoustics, 2022, 193, 108779.   | 3.3 | 4         |
| 4  | Assessment of in-cabin noise of wide-body aircrafts. Applied Acoustics, 2022, 194, 108809.   | 3.3 | 6         |
| 5  | Acoustic performance of sonic metacage consisting of Helmholtz's resonator columns with internal partitions. Applied Acoustics, 2022, 196, 108887.   | 3.3 | 4         |
| 6  | Perspectives on the Sonic Environment and Noise Mitigations during the COVID-19 Pandemic Era. Acoustics, 2021, 3, 493-506.   | 1.4 | 8         |
| 7  | Psychoacoustic Analysis of Vacuum Cleaner Noise. Acoustics, 2021, 3, 545-559.  | 1.4 | 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.            | 3.3 | 18        |
| 9  | Proof-of-Concept Design for MPP Acoustic Absorbers with Elements of Art. Designs, 2021, 5, 72.   | 2.4 | 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. | 1.1 | 1         |
| 11 | Ventilated acoustic metamaterial window panels for simultaneous noise shielding and air circulation. Applied Acoustics, 2020, 159, 107088.   | 3.3 | 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.   | 4.0 | 42        |
| 13 | Ashok chakra-structured meta-structure as a perfect sound absorber for broadband low-frequency sound. Applied Physics Letters, 2020, 117, 191901.  | 3.3 | 9         |
| 14 | Recent Advances in Acoustic Metamaterials for Simultaneous Sound Attenuation and Air Ventilation Performances. Crystals, 2020, 10, 686.  | 2.2 | 34        |
| 15 | Labyrinthine acoustic metastructures enabling broadband sound absorption and ventilation. Applied Physics Letters, 2020, 116, .  | 3.3 | 91        |
| 16 | The Present and Future Role of Acoustic Metamaterials for Architectural and Urban Noise Mitigations. Acoustics, 2019, 1, 590-607.  | 1.4 | 50        |
| 17 | Thermal tuning of negative effective mass density in a two-dimensional acoustic metamaterial with hexagonal lattice. Journal of Applied Physics, 2019, 126, .  | 2.5 | 17        |
| 18 | Investigation of structure's mechanical property relationship in fused filament fabrication of the polymer composites. Journal of Micromanufacturing, 2019, 2, 167-174.  | 1.1 | 14        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Additive manufacturing as an emerging technology for fabrication of microelectromechanical systems (MEMS). Journal of Micromanufacturing, 2019, 2, 175-197.   | 1.1 | 37        |
| 20 | Recent Advances in Active Acoustic Metamaterials. International Journal of Applied Mechanics, 2019, 11, 1950081.  | 2.2 | 29        |
| 21 | A Historical Perspective on Paper Microfluidic Based Point-of-Care Diagnostics. Advanced Functional Materials and Sensors, 2019, , 1-5.   | 1.2 | 2         |
| 22 | Fluid Transport Mechanisms in Paper-Based Microfluidic Devices. Advanced Functional Materials and Sensors, 2019, , 7-28.  | 1.2 | 7         |
| 23 | Double negative acoustic metastructure for attenuation of acoustic emissions. Applied Physics Letters, 2018, 112, .   | 3.3 | 36        |
| 24 | Fabrication of Nanostructures with Bottom-up Approach and Their Utility in Diagnostics, Therapeutics, and Others. Energy, Environment, and Sustainability, 2018, , 167-198.   | 1.0 | 39        |
| 25 | Positively Charged Silver Nanoparticles as Labels for Paper-Based Colorimetric Detection of Heparin. IFMBE Proceedings, 2018, , 235-240.  | 0.3 | 5         |
| 26 | Tapered lateral flow immunoassay based point-of-care diagnostic device for ultrasensitive colorimetric detection of dengue NS1. Biomicrofluidics, 2018, 12, 034104.   | 2.4 | 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. RSC Advances, 2017, 7, 37568-37577. | 3.6 | 45        |
| 28 | Development of a paper-based analytical device for colorimetric detection of uric acid using gold nanoparticles-graphene oxide (AuNPs-graphene oxide) conjugates. Analytical Methods, 2016, 8, 6965-6973.           | 2.7 | 48        |
| 29 | Computer-aided genetic algorithm based multi-objective optimization of laser trepan drilling. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1119-1125.                                | 2.2 | 33        |
| 30 | Diagnosis of communicable diseases using papepr microfluidic platforms. , 0, , 29-57.   |     | 5         |