

Rishikesh Pandey

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,476
citations

489802

18
h-index

563245

28
g-index

32
all docs

32
docs citations

32
times ranked

3201
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational spectroscopy for decoding cancer microbiota interactions: Current evidence and future perspective. <i>Seminars in Cancer Biology</i> , 2022, 86, 743-752.	4.3	11
2	Injectable amnion hydrogel-mediated delivery of adipose-derived stem cells for osteoarthritis treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	39
3	High-throughput digital pathology <i>via</i> a handheld, multiplexed, and AI-powered ptychographic whole slide scanner. <i>Lab on A Chip</i> , 2022, 22, 2657-2670.	3.1	18
4	Coarse Raman and optical diffraction tomographic imaging enable label-free phenotyping of isogenic breast cancer cells of varying metastatic potential. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112863.	5.3	24
5	Artificialâ€ntelligenceâ€Enabled Reagentâ€Free Imaging Hematology Analyzer. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000277.	3.3	11
6	Artificialâ€ntelligenceâ€Enabled Reagentâ€Free Imaging Hematology Analyzer. <i>Advanced Intelligent Systems</i> , 2021, 3, 2170060.	3.3	2
7	Raman and quantitative phase imaging allow morpho-molecular recognition of malignancy and stages of B-cell acute lymphoblastic leukemia. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113403.	5.3	19
8	Advancing Raman spectroscopy from research to clinic: Translational potential and challenges. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119957.	2.0	43
9	Identification and Staging of B-Cell Acute Lymphoblastic Leukemia Using Quantitative Phase Imaging and Machine Learning. <i>ACS Sensors</i> , 2020, 5, 3281-3289.	4.0	21
10	Emerging trends in biomedical imaging and disease diagnosis using Raman spectroscopy. , 2020, , 623-652.		4
11	Preparation and characterization of amnion hydrogel and its synergistic effect with adipose derived stem cells towards IL1 β activated chondrocytes. <i>Scientific Reports</i> , 2020, 10, 18751.	1.6	24
12	Study of MnO ₂ -Graphene Oxide nanocomposites for supercapacitor applications. <i>MRS Advances</i> , 2019, 4, 777-782.	0.5	9
13	Reagent-Free and Rapid Assessment of T Cell Activation State Using Diffraction Phase Microscopy and Deep Learning. <i>Analytical Chemistry</i> , 2019, 91, 3405-3411.	3.2	22
14	Integration of diffraction phase microscopy and Raman imaging for labelâ€free morphoâ€molecular assessment of live cells. <i>Journal of Biophotonics</i> , 2019, 12, e201800291.	1.1	15
15	Polyindole/cadmium sulphide nanocomposite based turn-on, multi-ion fluorescence sensor for detection of Cr ³⁺ , Fe ³⁺ and Sn ²⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 195-202.	4.0	72
16	Labelâ€free spectrochemical probe for determination of hemoglobin glycation in clinical blood samples. <i>Journal of Biophotonics</i> , 2018, 11, e201700397.	1.1	7
17	Differential diagnosis of otitis media with effusion using labelâ€free Raman spectroscopy: A pilot study. <i>Journal of Biophotonics</i> , 2018, 11, e201700259.	1.1	14
18	Raman Enhancement of Blood Constituent Proteins Using Graphene. <i>ACS Photonics</i> , 2018, 5, 2978-2982.	3.2	29

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19	Noninvasive Monitoring of Blood Glucose with Raman Spectroscopy. <i>Accounts of Chemical Research</i> , 2017, 50, 264-272.	7.6	180
20	Ticagrelor Removal From Human Blood. <i>JACC Basic To Translational Science</i> , 2017, 2, 135-145.	1.9	38
21	An overview on manufactured nanoparticles in plants: Uptake, translocation, accumulation and phytotoxicity. <i>Plant Physiology and Biochemistry</i> , 2017, 110, 2-12.	2.8	579
22	Leveraging the Attributes of <i>Mucor hiemalis</i> -Derived Silver Nanoparticles for a Synergistic Broad-Spectrum Antimicrobial Platform. <i>Frontiers in Microbiology</i> , 2016, 7, 1984.	1.5	269
23	Engineering tailored nanoparticles with microbes: <i>quo vadis</i> ?. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 316-330.	3.3	389
24	Discerning the differential molecular pathology of proliferative middle ear lesions using Raman spectroscopy. <i>Scientific Reports</i> , 2015, 5, 13305.	1.6	30
25	Multi-color reflectance imaging of middle ear pathology in vivo. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3277-3283.	1.9	21
26	Facile Algae-Derived Route to Biogenic Silver Nanoparticles: Synthesis, Antibacterial, and Photocatalytic Properties. <i>Langmuir</i> , 2015, 31, 11605-11612.	1.6	479
27	Emerging trends in optical sensing of glycemic markers for diabetes monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 100-108.	5.8	44
28	Multiwavelength Fluorescence Oscope for Video-Rate Chemical Imaging of Middle Ear Pathology. <i>Analytical Chemistry</i> , 2014, 86, 10454-10460.	3.2	22
29	Spectroscopic approach for dynamic bioanalyte tracking with minimal concentration information. <i>Scientific Reports</i> , 2014, 4, 7013.	1.6	38