Anupam K Misra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7044355/publications.pdf

Version: 2024-02-01

33	1,056	471509 17	454955 30
papers	citations	h-index	g-index

33	33	33	1112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The SuperCam Instrument Suite on the NASA Mars 2020 Rover: Body Unit and Combined System Tests. Space Science Reviews, 2021, 217, 4.	8.1	160
2	Portable remote Raman system for monitoring hydrocarbon, gas hydrates and explosives in the environment. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2404-2412.	3.9	106
3	A combined remote Raman and LIBS instrument for characterizing minerals with 532nm laser excitation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 468-476.	3.9	106
4	Pulsed remote Raman system for daytime measurements of mineral spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2281-2287.	3.9	82
5	Remote Raman and fluorescence studies of mineral samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2342-2348.	3.9	71
6	Single-Pulse Standoff Raman Detection of Chemicals from 120 m Distance during Daytime. Applied Spectroscopy, 2012, 66, 1279-1285.	2.2	61
7	Next Generation Laser-Based Standoff Spectroscopy Techniques for Mars Exploration. Applied Spectroscopy, 2015, 69, 173-192.	2.2	56
8	Remote Raman Spectroscopic Detection of Minerals and Organics under Illuminated Conditions from a Distance of 10 m Using a Single 532 nm Laser Pulse. Applied Spectroscopy, 2006, 60, 223-228.	2.2	47
9	Raman efficiencies of natural rocks and minerals: Performance of a remote Raman system for planetary exploration at a distance of 10 meters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2315-2323.	3.9	43
10	Raman-Enhanced Spectroscopy (RESpect) Probe for Childhood Non-Hodgkin Lymphoma. SciMedicine Journal, 2020, 2, 1-7.	0.7	35
11	Remote Raman measurements of minerals, organics, and inorganics at 430â€‰â€‰m range. Applied Optics, 2016, 55, 10283.	2.1	34
12	Novel Micro-Cavity Substrates for Improving the Raman Signal from Submicrometer Size Materials. Applied Spectroscopy, 2009, 63, 373-377.	2.2	32
13	The pressures and temperatures of meteorite impact: Evidence from micro-Raman mapping of mineral phases in the strongly shocked Taiban ordinary chondrite. American Mineralogist, 2013, 98, 859-869.	1.9	29
14	Remote-Raman spectroscopic study of minerals under supercritical CO2 relevant to Venus exploration. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 75-81.	3.9	27
15	Mineralogy and astrobiology detection using laser remote sensing instrument. Applied Optics, 2015, 54, 7598.	2.1	25
16	Visible, nearâ€infrared, and ultraviolet laserâ€excited Raman spectroscopy of the monocytes/macrophages (U937) cells. Journal of Raman Spectroscopy, 2010, 41, 268-274.	2.5	21
17	Remote Raman Detection of Chemicals from 1752â€‰m During Afternoon Daylight. Applied Spectroscopy, 2020, 74, 233-240.	2.2	18
18	Cryogenic Minerals in Hawaiian Lava Tubes: A Geochemical and Microbiological Exploration. Geomicrobiology Journal, 2018, 35, 227-241.	2.0	15

#	Article	IF	Citations
19	Remote Raman Efficiencies and Cross-Sections of Organic and Inorganic Chemicals. Applied Spectroscopy, 2017, 71, 1025-1038.	2.2	14
20	A Two Components Approach for Long Range Remote Raman and Laser-Induced Breakdown (LIBS) Spectroscopy Using Low Laser Pulse Energy. Applied Spectroscopy, 2019, 73, 320-328.	2.2	13
21	â€œStandoff Biofinderâ€•for Fast, Noncontact, Nondestructive, Large-Area Detection of Biological Materials for Planetary Exploration. Astrobiology, 2016, 16, 715-729.	3.0	12
22	Remote Raman spectroscopy of natural rocks. Applied Optics, 2019, 58, 8971.	1.8	12
23	Detecting Minerals and Organics Relevant to Planetary Exploration Using a Compact Portable Remote Raman System at 122 Meters. Applied Spectroscopy, 2021, 75, 299-306.	2.2	9
24	Twoâ€dimensional standoff Raman measurements of distant samples. Journal of Raman Spectroscopy, 2012, 43, 165-167.	2.5	6
25	Time-resolved remote Raman and fluorescence spectrometers for planetary exploration. Proceedings of SPIE, 2012, , .	0.8	5
26	Underwater Time-Gated Standoff Raman Sensor for In Situ Chemical Sensing. Applied Spectroscopy, 2021, 75, 739-746.	2.2	4
27	Remote Raman Spectroscopic Detection of Inorganic, Organic and Biological Materials to 100 m and More. , 2008, , .		3
28	Raman-Enhanced Spectroscopy Distinguishes Anal Squamous Intraepithelial Lesions in Human Immunodeficiency Virus-Serodiscordant Couples. AIDS Research and Human Retroviruses, 2019, 35, 287-294.	1.1	3
29	Compact Color Biofinder (CoCoBi): Fast, Standoff, Sensitive Detection of Biomolecules and Polyaromatic Hydrocarbons for the Detection of Life. Applied Spectroscopy, 2021, 75, 1427-1436.	2.2	2
30	Biofinder detects biological remains in Green River fish fossils from Eocene epoch at video speed. Scientific Reports, 2022, 12, .	3.3	2
31	Time-Resolved Remote Raman Spectroscopy for Surface Mineralogy on Planetary Surfaces. , 2010, , .		1
32	Enhancement of the Anti-Stokes Fluorescence of Hollow Spherical Carbon Nitride Nanostructures by High Intensity Green Laser. Nanomaterials, 2021, 11, 2529.	4.1	1
33	Stand-off detection of amino acids and nucleic bases using a compact instrument as a tool for search for life. , 2018, , .		1