

Anupam K Misra

List of Publications by Year in descending order

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33
papers

1,056
citations

471509

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454955

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33
all docs

33
docs citations

33
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofinder detects biological remains in Green River fish fossils from Eocene epoch at video speed. Scientific Reports, 2022, 12, .	3.3	2
2	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
3	Underwater Time-Gated Standoff Raman Sensor for In Situ Chemical Sensing. Applied Spectroscopy, 2021, 75, 739-746.	2.2	4
4	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
5	Enhancement of the Anti-Stokes Fluorescence of Hollow Spherical Carbon Nitride Nanostructures by High Intensity Green Laser. Nanomaterials, 2021, 11, 2529.	4.1	1
6	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
7	Remote Raman Detection of Chemicals from 1752â€‰m During Afternoon Daylight. Applied Spectroscopy, 2020, 74, 233-240.	2.2	18
8	Raman-Enhanced Spectroscopy (RESpect) Probe for Childhood Non-Hodgkin Lymphoma. SciMedicine Journal, 2020, 2, 1-7.	0.7	35
9	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
10	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
11	Remote Raman spectroscopy of natural rocks. Applied Optics, 2019, 58, 8971.	1.8	12
12	Cryogenic Minerals in Hawaiian Lava Tubes: A Geochemical and Microbiological Exploration. Geomicrobiology Journal, 2018, 35, 227-241.	2.0	15
13	Stand-off detection of amino acids and nucleic bases using a compact instrument as a tool for search for life. , 2018, , .		1
14	Remote Raman Efficiencies and Cross-Sections of Organic and Inorganic Chemicals. Applied Spectroscopy, 2017, 71, 1025-1038.	2.2	14
15	Remote Raman measurements of minerals, organics, and inorganics at 430â€‰m range. Applied Optics, 2016, 55, 10283.	2.1	34
16	â€œStandoff Biofinderâ€•for Fast, Noncontact, Nondestructive, Large-Area Detection of Biological Materials for Planetary Exploration. Astrobiology, 2016, 16, 715-729.	3.0	12
17	Next Generation Laser-Based Standoff Spectroscopy Techniques for Mars Exploration. Applied Spectroscopy, 2015, 69, 173-192.	2.2	56
18	Mineralogy and astrobiology detection using laser remote sensing instrument. Applied Optics, 2015, 54, 7598.	2.1	25

#	ARTICLE	IF	CITATIONS
19	The pressures and temperatures of meteorite impact: Evidence from micro-Raman mapping of mineral phases in the strongly shocked Taiban ordinary chondrite. <i>American Mineralogist</i> , 2013, 98, 859-869.	1.9	29
20	Single-Pulse Standoff Raman Detection of Chemicals from 120 m Distance during Daytime. <i>Applied Spectroscopy</i> , 2012, 66, 1279-1285.	2.2	61
21	Time-resolved remote Raman and fluorescence spectrometers for planetary exploration. <i>Proceedings of SPIE</i> , 2012, , .	0.8	5
22	Two-dimensional standoff Raman measurements of distant samples. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 165-167.	2.5	6
23	Remote-Raman spectroscopic study of minerals under supercritical CO ₂ relevant to Venus exploration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 80, 75-81.	3.9	27
24	Visible, near-infrared, and ultraviolet laser-excited Raman spectroscopy of the monocytes/macrophages (U937) cells. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 268-274.	2.5	21
25	Time-Resolved Remote Raman Spectroscopy for Surface Mineralogy on Planetary Surfaces. , 2010, , .		1
26	A combined remote Raman and LIBS instrument for characterizing minerals with 532nm laser excitation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 468-476.	3.9	106
27	Novel Micro-Cavity Substrates for Improving the Raman Signal from Submicrometer Size Materials. <i>Applied Spectroscopy</i> , 2009, 63, 373-377.	2.2	32
28	Remote Raman Spectroscopic Detection of Inorganic, Organic and Biological Materials to 100 m and More. , 2008, , .		3
29	Remote Raman Spectroscopic Detection of Minerals and Organics under Illuminated Conditions from a Distance of 10 m Using a Single 532 nm Laser Pulse. <i>Applied Spectroscopy</i> , 2006, 60, 223-228.	2.2	47
30	Portable remote Raman system for monitoring hydrocarbon, gas hydrates and explosives in the environment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2404-2412.	3.9	106
31	Pulsed remote Raman system for daytime measurements of mineral spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2281-2287.	3.9	82
32	Raman efficiencies of natural rocks and minerals: Performance of a remote Raman system for planetary exploration at a distance of 10 meters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2315-2323.	3.9	43
33	Remote Raman and fluorescence studies of mineral samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2342-2348.	3.9	71