

# Bhanu Bhakta Neupane

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

962  
citations

623734

14  
h-index

454955

30  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1651  
citing authors

#	ARTICLE	IF	CITATIONS
1	UV-Vis investigation of methyl red in presence of sodium dodecyl sulfate/methanol/ethanol/water system. <i>Journal of Molecular Liquids</i> , 2022, 349, 118119.	4.9	7
2	Handmade Paper as a Paper Analytical Device for Determining the Quality of an Antidiabetic Drug. <i>ACS Omega</i> , 2022, 7, 14074-14081.	3.5	4
3	Comparative study on material properties of wood-ash alkali and commercial alkali treated Sterculia fiber. <i>Cellulose</i> , 2022, 29, 5913-5922.	4.9	4
4	Excessive iodine in iodized household salt in Nepal. <i>Annals of the New York Academy of Sciences</i> , 2022, 1514, 166-173.	3.8	4
5	Review of analytical performance of COVID-19 detection methods. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 35-48.	3.7	161
6	Cellulose-based microfibrous materials imaged with a home-built smartphone microscope. <i>Microscopy Research and Technique</i> , 2021, 84, 1794-1801.	2.2	2
7	Microscopic Characterization of Eco-friendly Lokta Paper. <i>Microscopy and Microanalysis</i> , 2021, 27, 720-721.	0.4	1
8	Assessing volatile organic compound level in selected workplaces of Kathmandu Valley. <i>Heliyon</i> , 2021, 7, e08262.	3.2	4
9	Study on self-assembly of colloidal particles at high ionic strength with stimulated emission depletion microscopy. <i>Engineering Reports</i> , 2020, 2, e12233.	1.7	3
10	A smartphone microscopic method for simultaneous detection of (oo)cysts of <i>Cryptosporidium</i> and <i>Giardia</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008560.	3.0	9
11	Inherent property of signal from nanoparticle affects measured donut profile in stimulated emission depletion microscopy. <i>Engineering Research Express</i> , 2020, 2, 015035.	1.6	1
12	Characterization of airborne dust samples collected from core areas of Kathmandu Valley. <i>Heliyon</i> , 2020, 6, e03791.	3.2	26
13	A smartphone microscopic method for rapid screening of cloth facemask fabrics during pandemics. <i>PeerJ</i> , 2020, 8, e9647.	2.0	7
14	Stimulated Emission Depletion Microscopy Resolves Nanoparticle Assembly on a Porous Membrane Surface. <i>Nepal Journal of Science and Technology</i> , 2019, 17, 17-22.	0.2	2
15	Optical microscopic study of surface morphology and filtering efficiency of face masks. <i>PeerJ</i> , 2019, 7, e7142.	2.0	64
16	Status of chemistry lab safety in Nepal. <i>PLoS ONE</i> , 2017, 12, e0179104.	2.5	6
17	Investigating axial diffusion in cylindrical pores using confocal single-particle fluorescence correlation spectroscopy. <i>Electrophoresis</i> , 2016, 37, 2129-2138.	2.4	5
18	Nanosecond Time-Resolution Study of Gold Nanorod Rotation at the Liquid-Solid Interface. <i>ChemPhysChem</i> , 2016, 17, 2218-2224.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Moving Kinetics of Nanocars with Hydrophobic Wheels on Solid Surfaces at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10887-10894.	3.1	14
20	Signal amplification strategies for microfluidic immunoassays. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 326-334.	11.4	41
21	Continuous-Wave Stimulated Emission Depletion Microscope for Imaging Actin Cytoskeleton in Fixed and Live Cells. <i>Sensors</i> , 2015, 15, 24178-24190.	3.8	11
22	A dual wavelength-activatable gold nanorod complex for synergistic cancer treatment. <i>Nanoscale</i> , 2015, 7, 12096-12103.	5.6	41
23	A temperature microsensor for measuring laser-induced heating in gold nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 719-725.	3.7	15
24	Review of recent developments in stimulated emission depletion microscopy: applications on cell imaging. <i>Journal of Biomedical Optics</i> , 2014, 19, 080901.	2.6	24
25	Up-Conversion Luminescence of Gold Nanospheres When Excited at Nonsurface Plasmon Resonance Wavelength by a Continuous Wave Laser. <i>Nano Letters</i> , 2013, 13, 4087-4092.	9.1	32
26	Single Cell Optical Imaging and Spectroscopy. <i>Chemical Reviews</i> , 2013, 113, 2469-2527.	47.7	250
27	Tuning donut profile for spatial resolution in stimulated emission depletion microscopy. <i>Review of Scientific Instruments</i> , 2013, 84, 043701.	1.3	42
28	Electron Transfer in <i>Rhodobacter sphaeroides</i> Reaction Centers Containing Zn-Bacteriochlorophylls: A Hole-Burning Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3457-3466.	2.6	12
29	Low-Temperature Frequency Domain Study of Excitation Energy Transfer in Ethynyl-Linked Chlorophyll Trefoils and Aggregates. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10391-10399.	2.6	5
30	Spectroscopic Study of the CP43 <sup>2</sup> Complex and the PSI <sup>2</sup> -CP43 <sup>2</sup> Supercomplex of the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13339-13349.	2.6	33
31	Lowest Electronic States of the CP47 Antenna Protein Complex of Photosystem II: Simulation of Optical Spectra and Revised Structural Assignments. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11884-11898.	2.6	37
32	Insight into the Electronic Structure of the CP47 Antenna Protein Complex of Photosystem II: Hole Burning and Fluorescence Study. <i>Journal of the American Chemical Society</i> , 2010, 132, 4214-4229.	13.7	39
33	The CP43 Proximal Antenna Complex of Higher Plant Photosystem II Revisited: Modeling and Hole Burning Study. I. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9921-9933.	2.6	39
34	Morphological study on particulate matter of Kathmandu valley. <i>Journal of College of Medical Sciences-Nepal</i> , 0, 16, 41-46.	0.3	3
35	Optical properties of segmented Ag <sup>2</sup> -Au wire at single particle level studied with a home <sup>2</sup> -built micro <sup>2</sup> spectrometer. <i>Engineering Reports</i> , 0, , e12439.	1.7	1
36	Review of materials and testing methods for virus filtering performance of face mask and respirator. , 0, 3, e17.		3