Bhanu Bhakta Neupane

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7530832/publications.pdf

Version: 2024-02-01

36	962	623734	454955
papers	citations	14 h-index	30 g-index

39	39	39	1651
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single Cell Optical Imaging and Spectroscopy. Chemical Reviews, 2013, 113, 2469-2527.	47.7	250
2	Review of analytical performance of COVID-19 detection methods. Analytical and Bioanalytical Chemistry, 2021, 413, 35-48.	3.7	161
3	Optical microscopic study of surface morphology and filtering efficiency of face masks. PeerJ, 2019, 7, e7142.	2.0	64
4	Tuning donut profile for spatial resolution in stimulated emission depletion microscopy. Review of Scientific Instruments, 2013, 84, 043701.	1.3	42
5	A dual wavelength-activatable gold nanorod complex for synergistic cancer treatment. Nanoscale, 2015, 7, 12096-12103.	5.6	41
6	Signal amplification strategies for microfluidic immunoassays. TrAC - Trends in Analytical Chemistry, 2016, 79, 326-334.	11.4	41
7	The CP43 Proximal Antenna Complex of Higher Plant Photosystem II Revisited: Modeling and Hole Burning Study. I. Journal of Physical Chemistry B, 2008, 112, 9921-9933.	2.6	39
8	Insight into the Electronic Structure of the CP47 Antenna Protein Complex of Photosystem II: Hole Burning and Fluorescence Study. Journal of the American Chemical Society, 2010, 132, 4214-4229.	13.7	39
9	Lowest Electronic States of the CP47 Antenna Protein Complex of Photosystem II: Simulation of Optical Spectra and Revised Structural Assignments. Journal of Physical Chemistry B, 2010, 114, 11884-11898.	2.6	37
10	Spectroscopic Study of the CP43â€² Complex and the PSIâ€“CP43â€² Supercomplex of the Cyanobacterium Synechocystis PCC 6803. Journal of Physical Chemistry B, 2011, 115, 13339-13349.	2.6	33
11	Up-Conversion Luminescence of Gold Nanospheres When Excited at Nonsurface Plasmon Resonance Wavelength by a Continuous Wave Laser. Nano Letters, 2013, 13, 4087-4092.	9.1	32
12	Characterization of airborne dust samples collected from core areas of Kathmandu Valley. Heliyon, 2020, 6, e03791.	3.2	26
13	Review of recent developments in stimulated emission depletion microscopy: applications on cell imaging. Journal of Biomedical Optics, 2014, 19, 080901.	2.6	24
14	A temperature microsensor for measuring laser-induced heating in gold nanorods. Analytical and Bioanalytical Chemistry, 2015, 407, 719-725.	3.7	15
15	Moving Kinetics of Nanocars with Hydrophobic Wheels on Solid Surfaces at Ambient Conditions. Journal of Physical Chemistry C, 2016, 120, 10887-10894.	3.1	14
16	Electron Transfer in Rhodobacter sphaeroides Reaction Centers Containing Zn-Bacteriochlorophylls: A Hole-Burning Study. Journal of Physical Chemistry B, 2012, 116, 3457-3466.	2.6	12
17	Continuous-Wave Stimulated Emission Depletion Microscope for Imaging Actin Cytoskeleton in Fixed and Live Cells. Sensors, 2015, 15, 24178-24190.	3.8	11
18	A smartphone microscopic method for simultaneous detection of (oo)cysts of Cryptosporidium and Giardia. PLoS Neglected Tropical Diseases, 2020, 14, e0008560.	3.0	9

#	Article	IF	Citations
19	A smartphone microscopic method for rapid screening of cloth facemask fabrics during pandemics. PeerJ, 2020, 8, e9647.	2.0	7
20	UVâ€“VIS investigation of methyl red in presence of sodium dodecyl sulfate/methanol/ethanol/water system. Journal of Molecular Liquids, 2022, 349, 118119.	4.9	7
21	Status of chemistry lab safety in Nepal. PLoS ONE, 2017, 12, e0179104.	2.5	6
22	Low-Temperature Frequency Domain Study of Excitation Energy Transfer in Ethynyl-Linked Chlorophyll Trefoils and Aggregates. Journal of Physical Chemistry B, 2011, 115, 10391-10399.	2.6	5
23	Investigating axial diffusion in cylindrical pores using confocal singleâ€particle fluorescence correlation spectroscopy. Electrophoresis, 2016, 37, 2129-2138.	2.4	5
24	Nanosecond Timeâ€Resolution Study of Gold Nanorod Rotation at the Liquidâ€“Solid Interface. ChemPhysChem, 2016, 17, 2218-2224.	2.1	5
25	Assessing volatile organic compound level in selected workplaces of Kathmandu Valley. Heliyon, 2021, 7, e08262.	3.2	4
26	Handmade Paper as a Paper Analytical Device for Determining the Quality of an Antidiabetic Drug. ACS Omega, 2022, 7, 14074-14081.	3.5	4
27	Comparative study on material properties of wood-ash alkali and commercial alkali treated Sterculia fiber. Cellulose, 2022, 29, 5913-5922.	4.9	4
28	Excessive iodine in iodized household salt in Nepal. Annals of the New York Academy of Sciences, 2022, 1514, 166-173.	3.8	4
29	Morphological study on particulate matter of Kathmandu valley. Journal of College of Medical Sciences-Nepal, 0, 16, 41-46.	0.3	3
30	Study on selfâ€assembly of colloidal particles at high ionic strength with stimulated emission depletion microscopy. Engineering Reports, 2020, 2, e12233.	1.7	3
31	Review of materials and testing methods for virus filtering performance of face mask and respirator. , 0, 3, e17.		3
32	Celluloseâ€based microâ€fibrous materials imaged with a homeâ€built smartphone microscope. Microscopy Research and Technique, 2021, 84, 1794-1801.	2.2	2
33	Stimulated Emission Depletion Microscopy Resolves Nanoparticle Assembly on a Porous Membrane Surface. Nepal Journal of Science and Technology, 2019, 17, 17-22.	0.2	2
34	Inherent property of signal from nanoparticle affects measured donut profile in stimulated emission depletion microscopy. Engineering Research Express, 2020, 2, 015035.	1.6	1
35	Microscopic Characterization of Eco-friendly Lokta Paper. Microscopy and Microanalysis, 2021, 27, 720-721.	0.4	1
36	Optical properties of segmented Agâ€“Au wire at single particle level studied with a homeâ€built microâ€spectrometer. Engineering Reports, 0, , e12439.	1.7	1