

Surendra Prasad

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

260
citations

1040056

9
h-index

996975

15
g-index

32
all docs

32
docs citations

32
times ranked

292
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination and comparison of selected heavy metal concentrations in seawater and sediment samples in the coastal area of Suva, Fiji. <i>Marine Pollution Bulletin</i> , 2020, 157, 111157.	5.0	34
2	First Assessment of Metals Contamination in Road Dust and Roadside Soil of Suva City, Fiji. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 77, 249-262.	4.1	32
3	Estimated dietary intake of nitrate and nitrite from meat consumed in Fiji. <i>Food Chemistry</i> , 2019, 278, 630-635.	8.2	28
4	The current state of heavy metal pollution in Pacific Island Countries: a review. <i>Applied Spectroscopy Reviews</i> , 2021, 56, 27-51.	6.7	28
5	An arginine functionalized magnetic nano-sorbent for simultaneous removal of three metal ions from water samples. <i>RSC Advances</i> , 2017, 7, 51079-51089.	3.6	26
6	Properties of surface modes in one dimensional plasma photonic crystals. <i>Physics of Plasmas</i> , 2015, 22, 022122.	1.9	21
7	Application of phytoremediation for heavy metal contaminated sites in the South Pacific: strategies, current challenges and future prospects. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 490-512.	6.7	12
8	Dispersion behavior of electromagnetic wave near the resonance in 1D magnetized ferrite photonic crystals. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	11
9	A novel catalytic kinetic method for the determination of mercury(Hg^{2+}) in water samples. <i>RSC Advances</i> , 2020, 10, 25100-25106.	3.6	10
10	Mid-infrared Biosensor Based on Bloch Surface Mode Excitation in Truncated One-Dimensional Ternary Photonic Crystal Under Kretschmann Configuration. <i>Plasmonics</i> , 2021, 16, 923-932.	3.4	10
11	Voltage-tunable pass band in cylindrical multilayered structure containing PMMA and 0.67PMN \times 0.33PT single crystal as a defect layer. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	8
12	Theoretical modelling of one dimensional photonic crystal based optical demultiplexer. <i>Journal of Modern Optics</i> , 2016, 63, 995-999.	1.3	8
13	Mid-infrared sensor based on resonance excitation of graphene plasmon polariton-coupled Bloch surface modes at the interface of anisotropically truncated one-dimensional ternary photonic crystal. <i>Waves in Random and Complex Media</i> , 0, , 1-16.	2.7	5
14	Tuning the band structures and electromagnetic density of modes in fused Silica slab by acoustic waves. <i>Optik</i> , 2020, 204, 164105.	2.9	3
15	STABILITY OF SOME BIOLOGICALLY ACTIVE SUBSTANCES IN EXTRACTS AND PREPARATIONS BASED ON ST. JOHN \AA S WORT (<i>HYPERICUM PERFORATUM</i> L.) AND SAGE (<i>SALVIA OFFICINALIS</i> L.). <i>Industrial Crops and Products</i> , 2020, 156, 112879.	5.2	3
16	Estimation of photonic band gap in silicon crystal waveguide through acousto-optic interaction. <i>Optical and Quantum Electronics</i> , 2015, 47, 3031-3040.	3.3	2
17	Dynamically Tuning the Density of Mode in a Photonic Crystal With Double Defects. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 2115-2118.	2.5	2
18	Properties of dispersion and phase index in magnetized one dimensional ferrite photonic crystals in longitudinal configuration for TM mode. <i>Superlattices and Microstructures</i> , 2018, 120, 463-472.	3.1	2

#	ARTICLE	IF	CITATIONS
19	Dispersion Characteristics and Phase Index of One-Dimensional Magnetized Ferrite Photonic Crystals in Transverse Magnetization Configuration for TE Modes. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1997-2007.	1.8	2
20	A micellar mediated novel method for the determination of selenium in environmental samples using a chromogenic reagent. Analytical Methods, 2020, 12, 4327-4333.	2.7	2
21	Controlling the band structures and electromagnetic density of modes in one-dimensional photonic crystals with Lamb wave. Waves in Random and Complex Media, 2020, , 1-12.	2.7	2
22	The properties of mid infrared surface modes at the interface of air and one dimensional ternary photonic crystal. Materials Today Communications, 2021, 29, 102889.	1.9	2
23	A comparative study of the reflectivity of binary and ternary one-dimensional plasma photonic crystals for obliquely incident electromagnetic wave. Optics and Spectroscopy (English Translation) Tj ETQq1 1 0.704314 rgBT /Overlo	1.1	0
24	Dispersion, decaying length and localization of transverse magnetic surface modes in one dimensional plasma photonic crystals. Optical and Quantum Electronics, 2015, 47, 3747-3757.	3.3	1
25	Properties of thermal radiation power spectra in truncated one dimensional photonic crystals. Optical and Quantum Electronics, 2017, 49, 1.	3.3	1
26	Controlling the electromagnetic density of modes in one-dimensional photonic crystal with defect using acoustic wave. Canadian Journal of Physics, 2018, 96, 1333-1337.	1.1	1
27	Controlling emissivity in one dimensional photonic crystals using surface truncation. Optical and Quantum Electronics, 2018, 50, 1.	3.3	1
28	Dispersion property of electromagnetic wave in 1D magnetized ferrites photonic crystals for TE mode in longitudinal magnetization configuration. Photonics and Nanostructures - Fundamentals and Applications, 2019, 35, 100706.	2.0	1
29	High performance mid infrared temperature sensor based on resonance excitation of hybrid Tamm surface states. Optical Materials, 2022, 131, 112586.	3.6	1
30	Modeling of the electric-field distribution of plasma photonic crystals having inhomogeneity in the materials. Journal of Russian Laser Research, 2012, 33, 509-516.	0.6	0
31	Resonant transmission of electromagnetic waves in one-dimensional multilayer plasmas having graded optical thickness. Optik, 2016, 127, 2620-2623.	2.9	0
32	Dispersion properties of one-dimensional magnetized ferrite photonic crystals in transverse magnetization configuration for transverse magnetic modes. European Physical Journal D, 2018, 72, 1.	1.3	0