

Anand M Shrivastav

List of Publications by Year in descending order

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38
papers

1,376
citations

394421

19
h-index

526287

27
g-index

38
all docs

38
docs citations

38
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on plasmonic-based biosensors used in viral diagnostics. <i>Communications Biology</i> , 2021, 4, 70.	4.4	261
2	Fiber optic profenofos sensor based on surface plasmon resonance technique and molecular imprinting. <i>Biosensors and Bioelectronics</i> , 2016, 79, 150-157.	10.1	100
3	Fiber optic SPR sensor for the detection of melamine using molecular imprinting. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 404-410.	7.8	94
4	Surface Plasmon Resonance-Based Fiber Optic Sensors Utilizing Molecular Imprinting. <i>Sensors</i> , 2016, 16, 1381.	3.8	90
5	Plasmonic biosensors for food control. <i>Trends in Food Science and Technology</i> , 2021, 111, 128-140.	15.1	83
6	Surface plasmon resonance based fiber optic ethanol sensor using layers of silver/silicon/hydrogel entrapped with ADH/NAD. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 485-492.	7.8	73
7	Highly sensitive and selective erythromycin nanosensor employing fiber optic SPR/ERY imprinted nanostructure: Application in milk and honey. <i>Biosensors and Bioelectronics</i> , 2017, 90, 516-524.	10.1	69
8	A contemporary approach for design and characterization of fiber-optic-cortisol sensor tailoring LMR and ZnO/PPY molecularly imprinted film. <i>Biosensors and Bioelectronics</i> , 2017, 87, 178-186.	10.1	64
9	Surface plasmon resonance based optical fiber sensor for atrazine detection using molecular imprinting technique. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 204-211.	7.8	55
10	Microstructured optical fiber based Fabry-Pérot interferometer as a humidity sensor utilizing chitosan polymeric matrix for breath monitoring. <i>Scientific Reports</i> , 2020, 10, 6002.	3.3	53
11	Localized and propagating surface plasmon resonance based fiber optic sensor for the detection of tetracycline using molecular imprinting. <i>Materials Research Express</i> , 2015, 2, 035007.	1.6	43
12	FO-SPR based dextrose sensor using Ag/ZnO nanorods/GOx for insulinoma detection. <i>Biosensors and Bioelectronics</i> , 2016, 85, 986-995.	10.1	43
13	A localized and propagating SPR, and molecular imprinting based fiber-optic ascorbic acid sensor using an <i>in situ</i> polymerized polyaniline-Ag nanocomposite. <i>Nanotechnology</i> , 2016, 27, 345501.	2.6	39
14	Surface Plasmon Resonance-Based Fiber Optic Sensor for the Detection of Ascorbic Acid Utilizing Molecularly Imprinted Polyaniline Film. <i>Plasmonics</i> , 2015, 10, 1853-1861.	3.4	37
15	Semiconductor metal oxide/polymer based fiber optic lossy mode resonance sensors: A contemporary study. <i>Optical Fiber Technology</i> , 2018, 45, 146-166.	2.7	36
16	Surface plasmon resonance based fiber optic trichloroacetic acid sensor utilizing layer of silver nanoparticles and chitosan doped hydrogel. <i>Nanotechnology</i> , 2017, 28, 065503.	2.6	29
17	Hypersensitive and Selective Interferometric Nose for Ultratrace Ammonia Detection with Fast Response Utilizing PANI@SnO ₂ Nanocomposite. <i>ACS Photonics</i> , 2018, 5, 4402-4412.	6.6	28
18	Hypersensitive and selective biosensing based on microfiber interferometry and molecular imprinted nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111347.	10.1	28

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19	Lossy Mode Resonance Based Fiber Optic Creatinine Sensor Fabricated Using Molecular Imprinting Over Nanocomposite of MoS ₂ /SnO ₂ . IEEE Sensors Journal, 2020, 20, 4251-4259.	4.7	28
20	Engineering the penetration depth of nearly guided wave surface plasmon resonance towards application in bacterial cells monitoring. Sensors and Actuators B: Chemical, 2021, 345, 130338.	7.8	21
21	SPR and Molecular Imprinting-Based Fiber-Optic Melamine Sensor With High Sensitivity and Low Limit of Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 172-178.	2.9	17
22	Silver nanoparticle nodule ZnO nanowedge fetched novel FO-LMR based H ₂ O ₂ biosensor: A twin regime sensor for in-vivo applications and H ₂ O ₂ generation analysis from polyphenolic daily devouring beverages. Sensors and Actuators B: Chemical, 2017, 241, 129-145.	7.8	17
23	Optical Biomedical Diagnostics Using Lab-on-Fiber Technology: A Review. Photonics, 2022, 9, 86.	2.0	14
24	A novel method of SPR based SnO ₂ :GNP nano-hybrid decorated optical fiber platform for hexachlorobenzene sensing. Sensors and Actuators B: Chemical, 2017, 246, 927-936.	7.8	13
25	Non-graphene two-dimensional nanosheets for temperature sensing based on microfiber interferometric platform: Performance analysis. Sensors and Actuators A: Physical, 2019, 289, 180-187.	4.1	13
26	Synthesized Fe ₃ O ₄ Nanoflowers Coated Microfiber as Magnetometer. IEEE Photonics Technology Letters, 2018, 30, 1925-1928.	2.5	12
27	Detection of necrotrophic DNA marker of anthracnose causing Colletotrichum gloeosporioides fungi in harvested produce using surface plasmon resonance. Talanta, 2021, 235, 122776.	5.5	8
28	A Novel Approach of LMR/MIP for Optical Fiber based Salivary Cortisol Sensor. , 2016, , .		5
29	Fiber Optic SPR Nanosensor for Erythromycin Detection using Molecularly Imprinted Nanoparticles. , 2016, , .		1
30	Optical Fiber SPR Sensor for Simultaneous Determination of Cu(II) and Pb(II) Ions Using Molecular Imprinting. , 2016, , .		1
31	SPR and Molecular Imprinting based Fiber Optic Sensor for Copper Ion Detection. , 2016, , .		1
32	LSPR and molecular imprinting based optical fiber sensor for detection of tetracycline. , 2014, , .		0
33	LMR Based Hydrogen Peroxide Sensor Using ZnO/Ag Nanostructures. , 2016, , .		0
34	Molecularly Imprinted Fiber Optic SPR Sensor for Parathion Methyl Detection. , 2015, , .		0
35	SPR Based Fiber Optic Sensor for Detection of Cholesterol Using Gel Entrapment. , 2016, , .		0
36	FO-LMR Based Chlorine Gas Sensor Using Zinc Oxide Nanostructure. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Fiber Optic SPR Sensor for Detection of Triclosan Using Molecular Imprinted Polymeric Layer. , 2016, , .		0
38	Molecular Imprinting and SPR Based Fiber Optic Sensor for 1-Naphthol. , 2016, , .		0