

Anand M Shrivastav

List of Publications by Year in descending order

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38
papers

1,376
citations

394421

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526287

27
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38
all docs

38
docs citations

38
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Biomedical Diagnostics Using Lab-on-Fiber Technology: A Review. Photonics, 2022, 9, 86.	2.0	14
2	A comprehensive review on plasmonic-based biosensors used in viral diagnostics. Communications Biology, 2021, 4, 70.	4.4	261
3	Plasmonic biosensors for food control. Trends in Food Science and Technology, 2021, 111, 128-140.	15.1	83
4	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
5	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
6	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
7	Microstructured optical fiber based Fabry-Pérot interferometer as a humidity sensor utilizing chitosan polymeric matrix for breath monitoring. Scientific Reports, 2020, 10, 6002.	3.3	53
8	Hypersensitive and selective biosensing based on microfiber interferometry and molecular imprinted nanoparticles. Biosensors and Bioelectronics, 2019, 141, 111347.	10.1	28
9	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
10	Synthesized Fe ₃ O ₄ Nanoflowers Coated Microfiber as Magnetometer. IEEE Photonics Technology Letters, 2018, 30, 1925-1928.	2.5	12
11	Hypersensitive and Selective Interferometric Nose for Ultratrace Ammonia Detection with Fast Response Utilizing PANI@SnO ₂ Nanocomposite. ACS Photonics, 2018, 5, 4402-4412.	6.6	28
12	Semiconductor metal oxide/polymer based fiber optic lossy mode resonance sensors: A contemporary study. Optical Fiber Technology, 2018, 45, 146-166.	2.7	36
13	Surface plasmon resonance based fiber optic trichloroacetic acid sensor utilizing layer of silver nanoparticles and chitosan doped hydrogel. Nanotechnology, 2017, 28, 065503.	2.6	29
14	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
15	Highly sensitive and selective erythromycin nanosensor employing fiber optic SPR/ERY imprinted nanostructure: Application in milk and honey. Biosensors and Bioelectronics, 2017, 90, 516-524.	10.1	69
16	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
17	A contemporary approach for design and characterization of fiber-optic-cortisol sensor tailoring LMR and ZnO/PPY molecularly imprinted film. Biosensors and Bioelectronics, 2017, 87, 178-186.	10.1	64
18	LMR Based Hydrogen Peroxide Sensor Using ZnO/Ag Nanostructures. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Surface Plasmon Resonance-Based Fiber Optic Sensors Utilizing Molecular Imprinting. Sensors, 2016, 16, 1381.	3.8	90
20	A localized and propagating SPR, and molecular imprinting based fiber-optic ascorbic acid sensor using an <i>in situ</i> polymerized polyaniline–Ag nanocomposite. Nanotechnology, 2016, 27, 345501.	2.6	39
21	FO-SPR based dextrose sensor using Ag/ZnO nanorods/GOx for insulinoma detection. Biosensors and Bioelectronics, 2016, 85, 986-995.	10.1	43
22	Surface plasmon resonance based optical fiber sensor for atrazine detection using molecular imprinting technique. Sensors and Actuators B: Chemical, 2016, 227, 204-211.	7.8	55
23	Fiber optic profenofos sensor based on surface plasmon resonance technique and molecular imprinting. Biosensors and Bioelectronics, 2016, 79, 150-157.	10.1	100
24	Surface plasmon resonance based fiber optic ethanol sensor using layers of silver/silicon/hydrogel entrapped with ADH/NAD. Sensors and Actuators B: Chemical, 2016, 230, 485-492.	7.8	73
25	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
26	A Novel Approach of LMR/MIP for Optical Fiber based Salivary Cortisol Sensor. , 2016, , .		5
27	Fiber Optic SPR Nanosensor for Erythromycin Detection using Molecularly Imprinted Nanoparticles. , 2016, , .		1
28	SPR Based Fiber Optic Sensor for Detection of Cholesterol Using Gel Entrapment. , 2016, , .		0
29	FO-LMR Based Chlorine Gas Sensor Using Zinc Oxide Nanostructure. , 2016, , .		0
30	Fiber Optic SPR Sensor for Detection of Triclosan Using Molecular Imprinted Polymeric Layer. , 2016, , .		0
31	Optical Fiber SPR Sensor for Simultaneous Determination of Cu(II) and Pb(II) Ions Using Molecular Imprinting. , 2016, , .		1
32	Molecular Imprinting and SPR Based Fiber Optic Sensor for 1-Naphthol. , 2016, , .		0
33	SPR and Molecular Imprinting based Fiber Optic Sensor for Copper Ion Detection. , 2016, , .		1
34	Localized and propagating surface plasmon resonance based fiber optic sensor for the detection of tetracycline using molecular imprinting. Materials Research Express, 2015, 2, 035007.	1.6	43
35	Fiber optic SPR sensor for the detection of melamine using molecular imprinting. Sensors and Actuators B: Chemical, 2015, 212, 404-410.	7.8	94
36	Surface Plasmon Resonance-Based Fiber Optic Sensor for the Detection of Ascorbic Acid Utilizing Molecularly Imprinted Polyaniline Film. Plasmonics, 2015, 10, 1853-1861.	3.4	37

#	ARTICLE	IF	CITATIONS
37	Molecularly Imprinted Fiber Optic SPR Sensor for Parathion Methyl Detection. , 2015, , .		0
38	LSPR and molecular imprinting based optical fiber sensor for detection of tetracycline. , 2014, , .		0