Suveen Kumar

List of Publications by Year in descending order

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30 papers	1,599 citations	430874 18 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	2045 citing authors

#	Article	IF	Citations
1	Microfluidics Based Pointâ€ofâ€Care Diagnostics. Biotechnology Journal, 2018, 13, 1700047.	3.5	193
2	Development of a paper-based electrochemical immunosensor using an antibody-single walled carbon nanotubes bio-conjugate modified electrode for label-free detection of foodborne pathogens. Sensors and Actuators B: Chemical, 2017, 253, 115-123.	7.8	173
3	Nanostructured zirconia decorated reduced graphene oxide based efficient biosensing platform for non-invasive oral cancer detection. Biosensors and Bioelectronics, 2016, 78, 497-504.	10.1	166
4	Microfluidicâ€integrated biosensors: Prospects for pointâ€ofâ€care diagnostics. Biotechnology Journal, 2013, 8, 1267-1279.	3.5	147
5	Reduced graphene oxide modified smart conducting paper for cancer biosensor. Biosensors and Bioelectronics, 2015, 73, 114-122.	10.1	138
6	Biofunctionalized Nanostructured Zirconia for Biomedical Application: A Smart Approach for Oral Cancer Detection. Advanced Science, 2015, 2, 1500048.	11.2	111
7	Electrochemical paper based cancer biosensor using iron oxide nanoparticles decorated PEDOT:PSS. Analytica Chimica Acta, 2019, 1056, 135-145.	5.4	98
8	Highly sensitive protein functionalized nanostructured hafnium oxide based biosensing platform for non-invasive oral cancer detection. Sensors and Actuators B: Chemical, 2016, 235, 1-10.	7.8	84
9	Effect of Brownian motion on reduced agglomeration of nanostructured metal oxide towards development of efficient cancer biosensor. Biosensors and Bioelectronics, 2018, 102, 247-255.	10.1	61
10	Electrochemical Immunosensors. , 2018, , 359-414.		40
11	Nanostructured transition metal chalcogenide embedded on reduced graphene oxide based highly efficient biosensor for cardiovascular disease detection. Microchemical Journal, 2020, 155, 104697.	4.5	40
12	Protein functionalised self assembled monolayer based biosensor for colon cancer detection. Talanta, 2019, 201, 465-473.	5.5	37
13	A biocompatible serine functionalized nanostructured zirconia based biosensing platform for non-invasive oral cancer detection. RSC Advances, 2016, 6, 77037-77046.	3.6	36
14	Nanostructured graphitic carbon nitride based ultrasensing electrochemical biosensor for food toxin detection. Bioelectrochemistry, 2021, 139, 107738.	4.6	36
15	Protein functionalized nanostructured zirconia based electrochemical immunosensor for cardiac troponin I detection. Journal of Materials Research, 2017, 32, 2966-2972.	2.6	30
16	Biofunctionalized Nanostructured Yttria Modified Non-Invasive Impedometric Biosensor for Efficient Detection of Oral Cancer. Nanomaterials, 2019, 9, 1190.	4.1	26
17	Ultrasensitive biosensing platform based on yttria doped zirconia-reduced graphene oxide nanocomposite for detection of salivary oral cancer biomarker. Bioelectrochemistry, 2021, 140, 107799.	4.6	24
18	Polyaniline modified flexible conducting paper for cancer detection. Applied Physics Letters, 2016, 108, .	3.3	23

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19	Monophasic molybdenum selenide-reduced graphene oxide nanocomposite sheets based immunosensing platform for ultrasensitive serotonin detection. Microchemical Journal, 2020, 159, 105344.	4.5	23
20	Conducting paper based sensor for cancer biomarker detection. Journal of Physics: Conference Series, 2016, 704, 012010.	0.4	19
21	Excellent storage stability and sensitive detection of neurotoxin quinolinic acid. Biosensors and Bioelectronics, 2017, 90, 224-229.	10.1	15
22	Multiwalled carbon nanotube nanofiller-polyindole polymer matrix-based efficient biosensor for the rapid detection of swine flu. New Journal of Chemistry, 2022, 46, 6201-6211.	2.8	14
23	Nanostructured Mesoporous Carbon Based Electrochemical Biosensor for Efficient Detection of Swine Flu. Electroanalysis, 2022, 34, 43-55.	2.9	13
24	High bio-recognizing aptamer designing and optimization against human herpes virus-5. European Journal of Pharmaceutical Sciences, 2021, 156, 105572.	4.0	11
25	Nanostructured zirconia@reduced graphene oxide based ultraefficient nanobiosensing platform for food toxin detection. Sensors & Diagnostics, 2022, 1, 550-557.	3.8	11
26	2D transparent few-layered hydrogen substituted graphdiyne nano-interface for unprecedented ultralow ANXA2 cancer biomarker detection. Biosensors and Bioelectronics, 2022, 213, 114433.	10.1	10
27	Biofunctionalized nanodot zirconia-based efficient biosensing platform for noninvasive oral cancer detection. MRS Communications, 2020, 10, 652-659.	1.8	8
28	Hierarchical structure of molybdenum disulfide-reduced graphene oxide nanocomposite for the development of a highly efficient serotonin biosensing platform. New Journal of Chemistry, 0, , .	2.8	5
29	Advanced electrochemical nanobiosensor for ultraefficient Annexin A2 biomarker detection: A rapid, label free and minimal invasive approach towards early diagnosis of liver cancer. Materials Letters, 2021, 305, 130856.	2.6	5
30	Aptamers Based Biosensors for Disease Detection. Current Trends in Biomedical Engineering & Biosciences, 2017, 3, .	0.2	2