Lalit M Bharadwaj

List of Publications by Year
in descending order

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30 papers	1,011 citations	840776 11 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1608 citing authors

#	Article	IF	Citations
1	Comparative study of carbon nanotube dispersion using surfactants. Journal of Colloid and Interface Science, 2008, 328, 421-428.	9.4	628
2	DNA electronics. EMBO Reports, 2003, 4, 442-445.	4.5	71
3	Electrochemical micro analytical device interfaced with portable potentiostat for rapid detection of chlorpyrifos using acetylcholinesterase conjugated metal organic framework using Internet of things. Scientific Reports, 2019, 9, 19862.	3.3	62
4	Electro-deposited nano-webbed structures based on polyaniline/multi walled carbon nanotubes for enzymatic detection of organophosphates. Food Chemistry, 2020, 323, 126784.	8.2	44
5	Microfluidic Affinity Sensor Based on a Molecularly Imprinted Polymer for Ultrasensitive Detection of Chlorpyrifos. ACS Omega, 2020, 5, 31765-31773.	3.5	27
6	Layered construction of nano immuno-hybrid embedded MOF as an electrochemical sensor for rapid quantification of total pesticides load in vegetable extract. Journal of Electroanalytical Chemistry, 2020, 873, 114386.	3.8	22
7	Controlling the density and site of attachment of gold nanoparticles onto the surface of carbon nanotubes. Journal of Colloid and Interface Science, 2012, 369, 23-27.	9.4	19
8	Bioconjugation of InGaP quantum dots for molecular sensing. Analytical Biochemistry, 2012, 421, 285-290.	2.4	18
9	Covalent attachment of actin filaments to Tween 80 coated polystyrene beads for cargo transportation. BioSystems, 2008, 92, 69-75.	2.0	16
10	Metal Organic Framework steered electrosynthesis of anisotropic gold nanorods for specific sensing of organophosphate pesticides in vegetables collected from the field. Nanoscale, 2020, 12, 21719-21733.	5.6	15
11	Development of Field Deployable Sensor for Detection of Pesticide From Food Chain. IEEE Sensors Journal, 2021, 21, 4129-4134.	4.7	14
12	Interfacing of DNA with carbon nanotubes for nanodevice applications. Materials Chemistry and Physics, 2012, 135, 268-276.	4.0	9
13	Aqueous Synthesis of l-Cysteine Stabilized Water-Dispersible CdS:Mn Quantum Dots for Biosensing Applications. BioNanoScience, 2013, 3, 95-101.	3.5	8
14	Low-intensity magnetic fields assisted alignment of actin filaments. International Journal of Biological Macromolecules, 2010, 47, 371-374.	7.5	7
15	Microcantilever based Diagnostic Chip for Multiple Analytes. IETE Technical Review (Institution of) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	6
16	Covalent immobilization of myosin forin-vitro motility of actin. Pramana - Journal of Physics, 2005, 65, 967-972.	1.8	5
17	Synthesis of Poly(Ïµ-caprolactone) Microreactors from Freeze-Dried Microspheres. Polymer-Plastics Technology and Engineering, 2012, 51, 1275-1281.	1.9	5
18	Label-Free Detection of Hemoglobin Using MWNT-Embedded Screen-Printed Electrode. BioNanoScience, 2013, 3, 223-231.	3.5	5

#	Article	IF	Citations
19	In-Situ Direct Electrochemistry of Hemoglobin Using Vertically Aligned Carbon Nanotube Ropes. Advanced Science Letters, 2011, 4, 3390-3397.	0.2	5
20	Design simulation of DNA-based electronic components. , 2002, , .		4
21	Conductivity modulation of carbon nanotubes through hybridization with quantum dots and gold nanoparticles. EPJ Applied Physics, 2013, 64, 20401.	0.7	4
22	Divalent cation induced actin ring formation. International Journal of Biological Macromolecules, 2011, 48, 793-797.	7.5	3
23	Transportation of drugâ€“gold nanocomposites by actinomyosin motor system. Journal of Nanoparticle Research, 2011, 13, 2295-2303.	1.9	3
24	Encapsulation and Release of Doxorubicin from Plasticizer-Transformed Poly(Îµ-Caprolactone) Microcapsules. Polymer-Plastics Technology and Engineering, 2018, 57, 1110-1120.	1.9	3
25	DNA-based high-density memory devices and biomolecular electronics at CSIO. , 2002, , .		2
26	DNA immobilization chemical interference due to aggregates study by Dip and Drop approach. Journal of Proteomics, 2007, 70, 779-785.	2.4	2
27	Immobilization of Quantum Dots Encapsulated Polystyrene Microcapsules for Multianalyte Sensing. Advanced Science Letters, 2012, 17, 49-55.	0.2	2
28	In-Vitro Transportation of Drug Molecule by Actin Myosin Motor System. IFMBE Proceedings, 2009, , 902-905.	0.3	1
29	Plasticizers Induced Formation of Microcapsules From Freeze Dried Polystyrene Microreactors. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 385-391.	3.4	1
30	Speed and load characterization of actin-myosin nanomotor. Materials Today: Proceedings, 2019, 18, 5488-5493.	1.8	0