Bansi D Malhotra

List of Publications by Year in Descending Order

340 papers	19,458 citations	74 h-index	122 g-index
354 ext. papers	21,241 ext. citations	5.7 avg, IF	6.99 L-index

#	Paper	IF	Citations
340	Graphitic carbon nitride-based nanoplatforms for biosensors: design strategies and applications. *Materials Today Chemistry*, **2022**, 24, 100770	6.2	2
339	Current progress in organic□inorganic hetero-nano-interfaces based electrochemical biosensors for healthcare monitoring. *Coordination Chemistry Reviews*, **2022**, 452, 214282	23.2	8
338	A Chemosensor Based on Gold Nanoparticles and Dithiothreitol (DTT) for Acrylamide Electroanalysis. *Nanomaterials*, **2021**, 11,	5.4	1
337	Point-of-Care PCR Assays for COVID-19 Detection. *Biosensors*, **2021**, 11,	5.9	14
336	TCAD Analysis and Simulation of Double Metal Negative Capacitance FET (DM NCFET) **2021**,		2
335	Prospects of nanomaterials-enabled biosensors for COVID-19 detection. *Science of the Total Environment*, **2021**, 754, 142363	10.2	59
334	Gold nanomaterials for optical biosensing and bioimaging. *Nanoscale Advances*, **2021**, 3, 2679-2698	5.1	19
333	Ultrasensitive biosensing platform based on yttria doped zirconia-reduced graphene oxide nanocomposite for detection of salivary oral cancer biomarker. *Bioelectrochemistry*, **2021**, 140, 107799	5.6	11
332	Impedance spectroscopic study of biofilm formation on pencil lead graphite anode in microbial fuel cell. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 128, 114-114	5.3	2
331	Bioinspired synthesis of iron-based nanomaterials for application in biofuels production: A new in-sight. *Renewable and Sustainable Energy Reviews*, **2021**, 147, 111206	16.2	10
330	Recent advances in 3D printing technologies for wearable (bio)sensors. *Additive Manufacturing*, **2021**, 46, 102088	6.1	17
329	Nanobioelectrochemistry: Fundamentals and biosensor applications. *Frontiers of Nanoscience*, **2021** , 87-128	0.7	
328	Emerging DNA-based multifunctional nano-biomaterials towards electrochemical sensing applications. *Nanoscale*, **2021**, 13, 10305-10319	7.7	2
327	A Numerical Study of Analog Parameter of Negative Capacitance Field Effect Transistor with Spacer **2021**,		1
326	Nanoengineered Conductive Polyaniline Enabled Sensor for Sensitive Humidity Detection. *IEEE Sensors Journal*, **2020**, 20, 12574-12581	4	8
325	Exploring Providencia rettgeri for application to eco-friendly paper based microbial fuel cell. *Biosensors and Bioelectronics*, **2020**, 165, 112323	11.8	16
324	Emerging Trends in Microfluidics Based Devices. *Biotechnology Journal*, **2020**, 15, e1900279	5.6	15

323	Review Textile Based Chemical and Physical Sensors for Healthcare Monitoring. *Journal of the Electrochemical Society*, **2020**, 167, 037546	3.9	67
322	Biofunctionalized nanodot zirconia-based efficient biosensing platform for noninvasive oral cancer detection. *MRS Communications*, **2020**, 10, 652-659	2.7	4
321	Recent Advances of Conducting Polymers and Their Composites for Electrochemical Biosensing Applications. *Journal of Functional Biomaterials*, **2020**, 11,	4.8	21
320	Dual-modality microfluidic biosensor based on nanoengineered mesoporous graphene hydrogels. *Lab on A Chip*, **2020**, 20, 760-777	7.2	23
319	Amine-Functionalized MoO@RGO Nanohybrid-Based Biosensor for Breast Cancer Detection.. *ACS Applied Bio Materials*, **2019**, 2, 5366-5378	4.1	36
318	Cell-based biosensors: Recent trends, challenges and future perspectives. *Biosensors and Bioelectronics*, **2019**, 141, 111435	11.8	99
317	Nanoengineered cellulosic biohydrogen production via dark fermentation: A novel approach. *Biotechnology Advances*, **2019**, 37, 107384	17.8	48
316	Protein functionalised self assembled monolayer based biosensor for colon cancer detection. *Talanta*, **2019**, 201, 465-473	6.2	22
315	A hollow-nanosphere-based microfluidic biosensor for biomonitoring of cardiac troponin I. *Journal of Materials Chemistry B*, **2019**, 7, 3826-3839	7.3	23
314	Biofunctionalized Nanostructured Yttria Modified Non-Invasive Impedometric Biosensor for Efficient Detection of Oral Cancer. *Nanomaterials*, **2019**, 9,	5.4	15
313	Nanomaterial-Modified Conducting Paper: Fabrication, Properties, and Emerging Biomedical Applications. *Global Challenges*, **2019**, 3, 1900041	4.3	12
312	An impedimetric biosensor based on electrophoretically assembled ZnO nanorods and carboxylated graphene nanoflakes on an indium tin oxide electrode for detection of the DNA of Escherichia coli O157:H7. *Mikrochimica Acta*, **2019**, 187, 1	5.8	159
311	Electrochemical paper based cancer biosensor using iron oxide nanoparticles decorated PEDOT:PSS. *Analytica Chimica Acta*, **2019**, 1056, 135-145	6.6	64
310	Bioconjugated Nanostructured Metals and Metal Oxides for Biosensors **2018**, 105-125		1
309	Fabrication of sensitive bioelectrode based on atomically thin CVD grown graphene for cancer biomarker detection. *Biosensors and Bioelectronics*, **2018**, 105, 173-181	11.8	43
308	Biofunctionalized tungsten trioxide-reduced graphene oxide nanocomposites for sensitive electrochemical immunosensing of cardiac biomarker. *Journal of Alloys and Compounds*, **2018**, 763, 102-110	5.7	36
307	Multiwalled carbon nanotube modified microfluidic-based biosensor chip for nucleic acid detection. *Sensors and Actuators B: Chemical*, **2018**, 266, 329-336	8.5	34
306	Biofunctionalized graphene oxide wrapped carbon nanotubes enabled microfluidic immunochip for bacterial cells detection. *Sensors and Actuators B: Chemical*, **2018**, 255, 2495-2503	8.5	25

305	Nanomaterials in Biosensors: Fundamentals and Applications **2018**, 1-74		36
304	Functionalized Carbon Nanomaterials for Biosensors **2018**, 75-103		9
303	Biopolymeric Nanostructures: Biosensors and Bioimaging **2018**, 127-144		1
302	Nanocomposite Materials **2018**, 145-159		2
301	Electrochemical genosensor based on carboxylated graphene for detection of water-borne pathogen. *Sensors and Actuators B: Chemical*, **2018**, 275, 312-321	8.5	20
300	Multi-organ on a chip for personalized precision medicine. *MRS Communications*, **2018**, 8, 652-667	2.7	11
299	Effect of Brownian motion on reduced agglomeration of nanostructured metal oxide towards development of efficient cancer biosensor. *Biosensors and Bioelectronics*, **2018**, 102, 247-255	11.8	37
298	Microfluidics Based Point-of-Care Diagnostics. *Biotechnology Journal*, **2018**, 13, 1700047	5.6	125
297	Nanostructured Materials for DNA Biochip **2018**, 221-262		
296	An emerging nanostructured molybdenum trioxide-based biocompatible sensor platform for breast cancer biomarker detection. *MRS Communications*, **2018**, 8, 668-679	2.7	8
295	Highly sensitive porous carbon and metal/carbon conducting nanofiber based enzymatic biosensors for triglyceride detection. *Sensors and Actuators B: Chemical*, **2017**, 246, 202-214	8.5	52
294	Recent advances in carbon based nanosystems for cancer theranostics. *Biomaterials Science*, **2017**, 5, 901-952	7.4	139
293	Protein functionalized nanostructured zirconia based electrochemical immunosensor for cardiac troponin I detection. *Journal of Materials Research*, **2017**, 32, 2966-2972	2.5	25
292	Microporous Nanocomposite Enabled Microfluidic Biochip for Cardiac Biomarker Detection. *ACS Applied Materials & Interfaces*, **2017**, 9, 33576-33588	9.5	43
291	Graphene oxide–metal nanocomposites for cancer biomarker detection. *RSC Advances*, **2017**, 7, 35982-35991	3.7	21
290	Production and Optimization of Physicochemical Parameters of Cellulase Using Untreated Orange Waste by Newly Isolated Emericella variecolor NS3. *Applied Biochemistry and Biotechnology*, **2017**, 183, 601-612	3.2	17
289	Highly sensitive electrochemical immunosensor based on graphene-wrapped copper oxide-cysteine hierarchical structure for detection of pathogenic bacteria. *Sensors and Actuators B: Chemical*, **2017**, 238, 1060-1069	8.5	71
288	Biofunctionalized nanostructured tungsten trioxide based sensor for cardiac biomarker detection. *Materials Letters*, **2017**, 186, 202-205	3.3	20

287	Excellent storage stability and sensitive detection of neurotoxin quinolinic acid. *Biosensors and Bioelectronics*, **2017**, 90, 224-229	11.8	11
286	Bismuth oxide nanorods based immunosensor for mycotoxin detection. *Materials Science and Engineering C*, **2017**, 70, 564-571	8.3	31
285	Label-free piezoelectric immunosensor decorated with gold nanoparticles: Kinetic analysis and biosensing application. *Sensors and Actuators B: Chemical*, **2016**, 222, 804-814	8.5	47
284	Controlled deposition of functionalized silica coated zinc oxide nano-assemblies at the air/water interface for blood cancer detection. *Analytica Chimica Acta*, **2016**, 937, 29-38	6.6	17
283	Antibody conjugated metal nanoparticle decorated graphene sheets for a mycotoxin sensor. *RSC Advances*, **2016**, 6, 56518-56526	3.7	13
282	In-situ electrosynthesized nanostructured Mn3O4-polyaniline nanofibers- biointerface for endocrine disrupting chemical detection. *Sensors and Actuators B: Chemical*, **2016**, 236, 781-793	8.5	16
281	Electrospun functional micro/nanochannels embedded in porous carbon electrodes for microfluidic biosensing. *Sensors and Actuators B: Chemical*, **2016**, 229, 82-91	8.5	36
280	Nanostructured zirconia decorated reduced graphene oxide based efficient biosensing platform for non-invasive oral cancer detection. *Biosensors and Bioelectronics*, **2016**, 78, 497-504	11.8	122
279	A biofunctionalized quantum dot-nickel oxide nanorod based smart platform for lipid detection. *Journal of Materials Chemistry B*, **2016**, 4, 2706-2714	7.3	15
278	Quantum dot monolayer for surface plasmon resonance signal enhancement and DNA hybridization detection. *Biosensors and Bioelectronics*, **2016**, 80, 477-482	11.8	26
277	Recent advances in mycotoxins detection. *Biosensors and Bioelectronics*, **2016**, 81, 532-545	11.8	178
276	Mesoporous Few-Layer Graphene Platform for Affinity Biosensing Application. *ACS Applied Materials & Interfaces*, **2016**, 8, 7646-56	9.5	41
275	PEDOT:PSS/PVA-Nanofibers-Decorated Conducting Paper for Cancer Diagnostics. *Advanced Materials Technologies*, **2016**, 1, 1600056	6.8	31
274	Conducting paper based sensor for cancer biomarker detection. *Journal of Physics: Conference Series*, **2016**, 704, 012010	0.3	12
273	Nanomaterials based biosensors for cancer biomarker detection. *Journal of Physics: Conference Series*, **2016**, 704, 012011	0.3	26
272	Polyaniline modified flexible conducting paper for cancer detection. *Applied Physics Letters*, **2016**, 108, 203702	3.4	18
271	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	8.5	63
270	A biocompatible serine functionalized nanostructured zirconia based biosensing platform for non-invasive oral cancer detection. *RSC Advances*, **2016**, 6, 77037-77046	3.7	29

269	Electrochemical piezoelectric reusable immunosensor for aflatoxin B1 detection. *Biochemical Engineering Journal*, **2015**, 103, 103-113	4.2	30
268	A chitosan modified nickel oxide platform for biosensing applications. *Journal of Materials Chemistry B*, **2015**, 3, 6698-6708	7.3	32
267	Organic-inorganic hybrid nanocomposite-based gas sensors for environmental monitoring. *Chemical Reviews*, **2015**, 115, 4571-606	68.1	341
266	Protein functionalized carbon nanotubes-based smart lab-on-a-chip. *ACS Applied Materials & Interfaces*, **2015**, 7, 5837-46	9.5	53
265	Quantum dot-based microfluidic biosensor for cancer detection. *Applied Physics Letters*, **2015**, 106, 193703	3.4	21
264	A solution processed carbon nanotube modified conducting paper sensor for cancer detection. *Journal of Materials Chemistry B*, **2015**, 3, 9305-9314	7.3	43
263	Protein conjugated carboxylated gold@reduced graphene oxide for aflatoxin B1 detection. *RSC Advances*, **2015**, 5, 5406-5414	3.7	44
262	Biofunctionalized Nanostructured Zirconia for Biomedical Application: A Smart Approach for Oral Cancer Detection. *Advanced Science*, **2015**, 2, 1500048	13.6	87
261	A Label-Free Photoluminescence Genosensor Using Nanostructured Magnesium Oxide for Cholera Detection. *Scientific Reports*, **2015**, 5, 17384	4.9	14
260	Polyaniline-based biosensors. *Nanobiosensors in Disease Diagnosis*, **2015**, 25		10
259	Biosensors For Food Toxin Detection: Carbon Nanotubes And Graphene. *Materials Research Society Symposia Proceedings*, **2015**, 1725, 24		9
258	Mediator-free biosensor using chitosan capped CdS quantum dots for detection of total cholesterol. *RSC Advances*, **2015**, 5, 45928-45934	3.7	19
257	Reduced graphene oxide modified smart conducting paper for cancer biosensor. *Biosensors and Bioelectronics*, **2015**, 73, 114-122	11.8	114
256	Anti-epidermal growth factor receptor conjugated mesoporous zinc oxide nanofibers for breast cancer diagnostics. *Nanoscale*, **2015**, 7, 7234-45	7.7	87
255	Facile synthesis of 2-dimensional transparent graphene flakes for nucleic acid detection. *Sensors and Actuators B: Chemical*, **2015**, 210, 281-289	8.5	22
254	A novel electrochemical piezoelectric label free immunosensor for aflatoxin B1 detection in groundnut. *Food Control*, **2015**, 52, 60-70	6.2	66
253	Biosensors for pathogen detection: A smart approach towards clinical diagnosis. *Sensors and Actuators B: Chemical*, **2014**, 197, 385-404	8.5	120
252	Lipid-lipid interactions in aminated reduced graphene oxide interface for biosensing application. *Langmuir*, **2014**, 30, 4192-201	4	63

251	A dual enzyme functionalized nanostructured thulium oxide based interface for biomedical application. *Nanoscale*, **2014**, 6, 1195-208	7.7	44
250	Reduced graphene oxide–titania based platform for label-free biosensor. *RSC Advances*, **2014**, 4, 60386-60396	3.7	23
249	Thiol modified chitosan self-assembled monolayer platform for nucleic acid biosensor. *Applied Biochemistry and Biotechnology*, **2014**, 174, 1201-13	3.2	7
248	Highly sensitive biofunctionalized mesoporous electrospun TiO(2) nanofiber based interface for biosensing. *ACS Applied Materials & Interfaces*, **2014**, 6, 2516-27	9.5	109
247	A surface functionalized nanoporous titania integrated microfluidic biochip. *Nanoscale*, **2014**, 6, 13958-69	7.7	28
246	Graphene oxide-based biosensor for food toxin detection. *Applied Biochemistry and Biotechnology*, **2014**, 174, 960-70	3.2	51
245	Enhancing performance of uricase using multiwalled carbon nanotube doped polyaniline. *Applied Biochemistry and Biotechnology*, **2014**, 174, 1174-87	3.2	16
244	Protein-conjugated quantum dots interface: binding kinetics and label-free lipid detection. *Analytical Chemistry*, **2014**, 86, 1710-8	7.8	33
243	Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing. *Analytical Methods*, **2014**, 6, 6711-6720	3.2	19
242	Nanomaterial-based biosensors for food toxin detection. *Applied Biochemistry and Biotechnology*, **2014**, 174, 880-96	3.2	73
241	Preface. *Applied Biochemistry and Biotechnology*, **2014**, 174, 867-8	3.2	
240	Chitosan-modified carbon nanotubes-based platform for low-density lipoprotein detection. *Applied Biochemistry and Biotechnology*, **2014**, 174, 926-35	3.2	16
239	Coupling electrochemical response of a DNA biosensor with PCR for Neisseria gonorrhoeae detection. *Diagnostic Microbiology and Infectious Disease*, **2014**, 78, 16-23	2.9	9
238	Quantum dots self assembly based interface for blood cancer detection. *Langmuir*, **2013**, 29, 8753-62	4	28
237	Highly sensitive biofunctionalized nickel oxide nanowires for nanobiosensing applications. *RSC Advances*, **2013**, 3, 16060	3.7	18
236	Phase control of nanostructured iron oxide for application to biosensor. *Journal of Materials Chemistry B*, **2013**, 1, 464-474	7.3	31
235	Cationic poly(lactic-co-glycolic acid) iron oxide microspheres for nucleic acid detection. *Nanoscale*, **2013**, 5, 3800-7	7.7	20
234	Quantum dots based platform for application to fish freshness biosensor. *Sensors and Actuators B: Chemical*, **2013**, 177, 627-633	8.5	12

233	A highly efficient rare earth metal oxide nanorods based platform for aflatoxin detection. *Journal of Materials Chemistry B*, **2013**, 1, 4493-4503	7.3	49
232	Bienzyme-functionalized monodispersed biocompatible cuprous oxide/chitosan nanocomposite platform for biomedical application. *Journal of Physical Chemistry B*, **2013**, 117, 141-52	3.4	48
231	Mediator-free microfluidics biosensor based on titania□zirconia nanocomposite for urea detection. *RSC Advances*, **2013**, 3, 228-235	3.7	54
230	Magnesium oxide grafted carbon nanotubes based impedimetric genosensor for biomedical application. *Biosensors and Bioelectronics*, **2013**, 50, 406-13	11.8	18
229	Optical and electro-catalytic studies of nanostructured thulium oxide for vitamin C detection. *Journal of Alloys and Compounds*, **2013**, 578, 405-412	5.7	10
228	Electrophoretically deposited reduced graphene oxide platform for food toxin detection. *Nanoscale*, **2013**, 5, 3043-51	7.7	136
227	Highly Efficient Bienzyme Functionalized Biocompatible Nanostructured Nickel Ferrite□Chitosan Nanocomposite Platform for Biomedical Application. *Journal of Physical Chemistry C*, **2013**, 117, 8491-8502	4.8	51
226	A highly efficient microfluidic nano biochip based on nanostructured nickel oxide. *Nanoscale*, **2013**, 5, 2883-91	7.7	56
225	Carboxylated multiwalled carbon nanotubes based biosensor for aflatoxin detection. *Sensors and Actuators B: Chemical*, **2013**, 185, 258-264	8.5	106
224	Biocompatible nanostructured magnesium oxide-chitosan platform for genosensing application. *Biosensors and Bioelectronics*, **2013**, 45, 181-8	11.8	32
223	Molecularly imprinted polyaniline-polyvinyl sulphonic acid composite based sensor for para-nitrophenol detection. *Analytica Chimica Acta*, **2013**, 777, 63-71	6.6	37
222	Microfluidic-integrated biosensors: prospects for point-of-care diagnostics. *Biotechnology Journal*, **2013**, 8, 1267-79	5.6	113
221	Highly efficient bienzyme functionalized nanocomposite-based microfluidics biosensor platform for biomedical application. *Scientific Reports*, **2013**, 3, 2661	4.9	69
220	Sol□Gel Derived Nanostructured Zirconia Platform for Vitamin C Detection. *Journal of the Electrochemical Society*, **2013**, 160, H93-H97	3.9	3
219	Nanostructured magnesium oxide biosensing platform for cholera detection. *Applied Physics Letters*, **2013**, 102, 144106	3.4	10
218	Nanobiocomposite platform based on polyaniline-iron oxide-carbon nanotubes for bacterial detection. *Bioelectrochemistry*, **2012**, 86, 30-7	5.6	45
217	Synthesis of optically active silica-coated NdF3 core-shell nanoparticles. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 86, 432-6	4.4	48
216	Nanostructured nickel oxide film for application to fish freshness biosensor. *Applied Physics Letters*, **2012**, 101, 023703	3.4	11

215	Electrophoretically fabricated core-shell CNT-DNA biowires for biosensing. *Journal of Materials Chemistry*, **2012**, 22, 2727-2732		11
214	Aptamer based electrochemical sensor for detection of human lung adenocarcinoma A549 cells. *Journal of Physics: Conference Series*, **2012**, 358, 012001	0.3	7
213	Nanopatterned cadmium selenide Langmuir-Blodgett platform for leukemia detection. *Analytical Chemistry*, **2012**, 84, 3082-9	7.8	41
212	Chitosan encapsulated quantum dots platform for leukemia detection. *Biosensors and Bioelectronics*, **2012**, 38, 107-13	11.8	60
211	A novel ternary NiFe2O4/CuO/FeO-chitosan nanocomposite as a cholesterol biosensor. *Process Biochemistry*, **2012**, 47, 2189-2198	4.8	63
210	Mediator free cholesterol biosensor based on self-assembled monolayer platform. *Analyst, The*, **2012**, 137, 747-53	5	17
209	Nanostructured anatase-titanium dioxide based platform for application to microfluidics cholesterol biosensor. *Applied Physics Letters*, **2012**, 101, 084105	3.4	38
208	Self-assembled monolayer based electrochemical nucleic acid sensor forVibrio choleratedetection. *Journal of Physics: Conference Series*, **2012**, 358, 012009	0.3	9
207	Electrochemical Urea Biosensor Based on Sol-gel Derived Nanostructured Cerium Oxide. *Journal of Physics: Conference Series*, **2012**, 358, 012006	0.3	11
206	Electrophoretically deposited CdS quantum dots based electrode for biosensor application. *Journal of Materials Chemistry*, **2012**, 22, 4970		36
205	Fundamentals and application of ordered molecular assemblies to affinity biosensing. *Chemical Society Reviews*, **2012**, 41, 1363-402	58.5	80
204	Polypyrrole/multiwalled carbon nanotubes-based biosensor for cholesterol estimation. *Polymers for Advanced Technologies*, **2012**, 23, 1084-1091	3.2	26
203	Nanostructured platform for the detection of Neisseria gonorrhoeae using electrochemical impedance spectroscopy and differential pulse voltammetry. *Mikrochimica Acta*, **2012**, 177, 201-210	5.8	13
202	Ring like self assembled Ni nanoparticles based biosensor for food toxin detection. *Applied Physics Letters*, **2012**, 100, 093702	3.4	58
201	Opportunities in nano-structured metal oxides based biosensors. *Journal of Physics: Conference Series*, **2012**, 358, 012007	0.3	11
200	Fabrication of nanocrystalline CdS electrode via chemical bath deposition technique for application to cholesterol sensor. *Journal of Physics: Conference Series*, **2012**, 358, 012008	0.3	1
199	Nanostructured metal oxide-based biosensors. *NPG Asia Materials*, **2011**, 3, 17-24	10.3	500
198	Zirconia grafted carbon nanotubes based biosensor for M. Tuberculosis detection. *Applied Physics Letters*, **2011**, 99, 143702	3.4	34

197	Nanostructured nickel oxide-chitosan film for application to cholesterol sensor. *Applied Physics Letters*, **2011**, 98, 123702	3.4	89
196	Optical and structural properties of nanostructured CeO2:Tb3+ film. *Journal of Alloys and Compounds*, **2011**, 509, 262-265	5.7	37
195	Biocompatible self-assembled monolayer platform based on (3-glycidoxypropyl)trimethoxysilane for total cholesterol estimation. *Analytical Methods*, **2011**, 3, 2237	3.2	27
194	P4-S1.02 Coupling of electrochemical detection with PCR amplification for sensitive detection of Neisseria gonorrhoeae. *Sexually Transmitted Infections*, **2011**, 87, A307-A307	2.8	
193	Recent advances in polyaniline based biosensors. *Biosensors and Bioelectronics*, **2011**, 26, 2811-21	11.8	386
192	Chitosan-iron oxide nano-composite platform for mismatch-discriminating DNA hybridization for Neisseria gonorrhoeae detection causing sexually transmitted disease. *Biosensors and Bioelectronics*, **2011**, 26, 2967-74	11.8	57
191	Polyaniline Langmuir-Blodgett film based aptasensor for ochratoxin A detection. *Biosensors and Bioelectronics*, **2011**, 26, 4006-11	11.8	90
190	Horse radish peroxidase immobilized polyaniline for hydrogen peroxide sensor. *Polymers for Advanced Technologies*, **2011**, 22, 903-908	3.2	16
189	Molecularly imprinted polyaniline film for ascorbic acid detection. *Journal of Molecular Recognition*, **2011**, 24, 700-6	2.6	50
188	Sol-Gel Derived Nanostructured Metal Oxide Platform for Bacterial Detection. *Electroanalysis*, **2011**, 23, 2699-2708	3	17
187	A self assembled monolayer based microfluidic sensor for urea detection. *Nanoscale*, **2011**, 3, 2971-7	7.7	34
186	Microstructured cystine dendrites-based impedimetric sensor for nucleic acid detection. *Biomacromolecules*, **2011**, 12, 2925-32	6.9	30
185	Electrophoretic fabrication of chitosan-zirconium-oxide nanobiocomposite platform for nucleic acid detection. *Biomacromolecules*, **2011**, 12, 540-7	6.9	53
184	Electrochemical genosensor based on modified octadecanethiol self-assembled monolayer for Escherichia coli detection. *Sensors and Actuators B: Chemical*, **2011**, 151, 333-340	8.5	30
183	Polyaniline-carboxymethyl cellulose nanocomposite for cholesterol detection. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 6479-88	1.3	21
182	Zirconia based nucleic acid sensor for Mycobacterium tuberculosis detection. *Applied Physics Letters*, **2010**, 96, 133703	3.4	64
181	An amperomertic uric acid biosensor based on immobilization of uricase onto polyaniline-multiwalled carbon nanotube composite film. *Artificial Cells, Blood Substitutes, and Biotechnology*, **2010**, 38, 178-85		38
180	Preparation, characterization and application of polyaniline nanospheres to biosensing. *Nanoscale*, **2010**, 2, 747-54	7.7	84

179	Self-assembled monolayer based impedimetric platform for food borne mycotoxin detection. *Nanoscale*, **2010**, 2, 2811-7	7.7	33
178	Nanostructured zinc oxide platform for mycotoxin detection. *Bioelectrochemistry*, **2010**, 77, 75-81	5.6	111
177	Nanostructured conducting polymer based reagentless capacitive immunosensor. *Biomedical Microdevices*, **2010**, 12, 63-70	3.7	15
176	Nanostructured Iron Oxide Platform for Impedimetric Cholesterol Detection. *Electroanalysis*, **2010**, 22, 1045-1055	3	43
175	Peptide Nucleic Acid Immobilized Biocompatible Silane Nanocomposite Platform for Mycobacterium tuberculosis Detection. *Electroanalysis*, **2010**, 22, 2672-2682	3	21
174	Polyaniline/Single-Walled Carbon Nanotubes Composite Based Triglyceride Biosensor. *Electroanalysis*, **2010**, 22, 2683-2693	3	42
173	Electrophoretically deposited polyaniline nanotubes based film for cholesterol detection. *Electrophoresis*, **2010**, 31, 3754-62	3.6	10
172	Polyaniline/carbon nanotubes platform for sexually transmitted disease detection. *Journal of Molecular Recognition*, **2010**, 23, 472-9	2.6	36
171	DNA biosensor for detection of Neisseria gonorrhoeae causing sexually transmitted disease. *Journal of Biotechnology*, **2010**, 150, 357-65	3.7	22
170	Langmuir Blodgett films of polyaniline for low density lipoprotein detection. *Thin Solid Films*, **2010**, 519, 1110-1114	2.2	9
169	Sol gel derived cerium-oxide silicon-oxide nanocomposite for cypermethrin detection. *Thin Solid Films*, **2010**, 519, 1122-1127	2.2	6
168	Fabrication of Neisseria gonorrhoeae biosensor based on chitosan MWCNT platform. *Thin Solid Films*, **2010**, 519, 1135-1140	2.2	16
167	Electrophoretically deposited nano-structured polyaniline film for glucose sensing. *Thin Solid Films*, **2010**, 519, 1145-1150	2.2	31
166	Carbon nanotubes chitosan nanobiocomposite for immunosensor. *Thin Solid Films*, **2010**, 519, 1160-1166	2.2	36
165	Electrochemical studies of cystine modified self-assembled monolayer for Escherichia coli detection. *Thin Solid Films*, **2010**, 519, 1178-1183	2.2	7
164	PLD grown ZnO K3[Fe(CN)6] composite thin film for biosensing application. *Thin Solid Films*, **2010**, 519, 1184-1186	2.2	4
163	A novel urea biosensor based on zirconia. *Thin Solid Films*, **2010**, 519, 1187-1191	2.2	34
162	Application of nanostructured ZnO films for electrochemical DNA biosensor. *Thin Solid Films*, **2010**, 519, 1196-1201	2.2	57

161	Antibody immobilized cysteamine functionalized-gold nanoparticles for aflatoxin detection. *Thin Solid Films*, **2010**, 519, 1213-1218	2.2	120
160	Preparation and characterization of bio-functionalized iron oxide nanoparticles for biomedical application. *Thin Solid Films*, **2010**, 519, 1219-1223	2.2	19
159	Electrochemical DNA sensor for Neisseria meningitidis detection. *Biosensors and Bioelectronics*, **2010**, 25, 2586-91	11.8	67
158	Hybrid cross-linked polyaniline-WO3 nanocomposite thin film for NO(x) gas sensing. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 1792-6	1.3	26
157	Polyaniline-cerium oxide nanocomposite for hydrogen peroxide sensor. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 4679-85	1.3	30
156	Nanostructured zinc oxide film for urea sensor. *Materials Letters*, **2009**, 63, 2473-2475	3.3	88
155	Electrochemical Cholesterol Sensor Based on Tin Oxide-Chitosan Nanobiocomposite Film. *Electroanalysis*, **2009**, 21, 965-972	3	88
154	Functionalized Gold Nanoparticles Octadecylamine Hybrid Langmuir-Blodgett Film for Enzyme Sensor. *Electroanalysis*, **2009**, 21, 1587-1596	3	30
153	Iron oxide-chitosan nanobiocomposite for urea sensor. *Sensors and Actuators B: Chemical*, **2009**, 138, 572-580	8.5	175
152	Nanostructured cerium oxide film for triglyceride sensor. *Sensors and Actuators B: Chemical*, **2009**, 141, 551-556	8.5	72
151	Recent developments in urea biosensors. *Biochemical Engineering Journal*, **2009**, 44, 42-52	4.2	155
150	Poly (pyrrole-co-N-methyl pyrrole) for application to cholesterol sensor. *Journal of Materials Science* , **2009**, 44, 954-961	4.3	15
149	Cholesterol biosensor based on electrochemically prepared polyaniline conducting polymer film in presence of a nonionic surfactant. *Journal of Polymer Research*, **2009**, 16, 363-373	2.7	41
148	Recent advances in self-assembled monolayers based biomolecular electronic devices. *Biosensors and Bioelectronics*, **2009**, 24, 2810-7	11.8	175
147	CtrA gene based electrochemical DNA sensor for detection of meningitis. *Electrochemistry Communications*, **2009**, 11, 969-973	5.1	38
146	Fumed silica nanoparticles hitosan nanobiocomposite for ochratoxin-A detection. *Electrochemistry Communications*, **2009**, 11, 1919-1923	5.1	31
145	Nanostructured zirconium oxide based genosensor for Escherichia coli detection. *Electrochemistry Communications*, **2009**, 11, 2272-2277	5.1	47
144	Metal oxide hitosan based nanocomposite for cholesterol biosensor. *Thin Solid Films*, **2009**, 518, 614-620	2.2	54

143	Low density lipoprotein sensor based on surface plasmon resonance. *Thin Solid Films*, **2009**, 518, 719-723	2.2	9
142	Multi-walled carbon nanotubes/sol–gel-derived silica/chitosan nanobiocomposite for total cholesterol sensor. *Sensors and Actuators B: Chemical*, **2009**, 137, 727-735	8.5	109
141	Hydrogen peroxide sensor based on horseradish peroxidase immobilized nanostructured cerium oxide film. *Journal of Biotechnology*, **2009**, 142, 179-84	3.7	116
140	Polyaniline nanotubes for impedimetric triglyceride detection. *Electrochemistry Communications*, **2009**, 11, 1482-1486	5.1	50
139	Nanoporous cerium oxide thin film for glucose biosensor. *Biosensors and Bioelectronics*, **2009**, 24, 2040-5	11.8	103
138	STD sensor based on nucleic acid functionalized nanostructured polyaniline. *Biosensors and Bioelectronics*, **2009**, 24, 2232-8	11.8	57
137	Langmuir-Blodgett film based on MEH-PPV for cholesterol biosensor. *Analytica Chimica Acta*, **2009**, 634, 243-9	6.6	23
136	Zinc oxide-potassium ferricyanide composite thin film matrix for biosensing applications. *Analytica Chimica Acta*, **2009**, 653, 212-6	6.6	29
135	Iron oxide-chitosan hybrid nanobiocomposite based nucleic acid sensor for pyrethroid detection. *Biochemical Engineering Journal*, **2009**, 46, 132-140	4.2	65
134	Low density lipoprotein detection based on antibody immobilized self-assembled monolayer: investigations of kinetic and thermodynamic properties. *Journal of Physical Chemistry B*, **2009**, 113, 14405-12	3.4	34
133	Cerium oxide-chitosan based nanobiocomposite for food borne mycotoxin detection. *Applied Physics Letters*, **2009**, 95, 173703	3.4	56
132	Sol-gel-derived titanium oxide-cerium oxide biocompatible nanocomposite film for urea sensor. *Journal of Materials Research*, **2009**, 24, 1667-1673	2.5	24
131	Sol-gel derived nano-structured zinc oxide film for sexually transmitted disease sensor. *Analyst, The* , **2009**, 134, 997-1002	5	48
130	Nanostructured zinc oxide platform for cholesterol sensor. *Applied Physics Letters*, **2009**, 94, 143901	3.4	91
129	Surface plasmon resonance-based DNA biosensor for arsenic trioxide detection. *International Journal of Environmental Analytical Chemistry*, **2009**, 89, 49-57	1.8	12
128	A nanostructured cerium oxide film-based immunosensor for mycotoxin detection. *Nanotechnology* , **2009**, 20, 055105	3.4	94
127	Sol–Gel Derived Nanostructured Tin Oxide Film for Glucose Sensor. *Sensor Letters*, **2009**, 7, 64-71	0.9	9
126	Nucleic acid sensor for M. tuberculosis detection based on surface plasmon resonance. *Analyst, The*, **2008**, 133, 1587-92	5	70

125	Zinc oxide-chitosan nanobiocomposite for urea sensor. *Applied Physics Letters*, **2008**, 93, 163903	3.4	90
124	Sol-gel derived nanostructured cerium oxide film for glucose sensor. *Applied Physics Letters*, **2008**, 92, 263901	3.4	119
123	Prospects of Nanomaterials in Biosensors. *Analytical Letters*, **2008**, 41, 159-209	2.2	137
122	Polyaniline based nucleic acid sensor. *Journal of Physical Chemistry B*, **2008**, 112, 4808-16	3.4	67
121	Electrochemical Techniques in Biosensors **2008**,		4
120	Cerium oxide (CeO2) thin film for mediator-less glucose biosensors. *Materials Research Society Symposia Proceedings*, **2008**, 1138, 1		2
119	Electrochemical characterization of self-assembled monolayers (SAMs) of thiophenol and aminothiophenols on polycrystalline Au: Effects of potential cycling and mixed SAM formation. *Journal of Electroanalytical Chemistry*, **2008**, 619-620, 87-97	4.1	24
118	Recent advances in cholesterol biosensor. *Biosensors and Bioelectronics*, **2008**, 23, 1083-100	11.8	197
117	Iron oxide nanoparticles-chitosan composite based glucose biosensor. *Biosensors and Bioelectronics* , **2008**, 24, 676-83	11.8	376
116	Self-assembled monolayer for toxicant detection using nucleic acid sensor based on surface plasmon resonance technique. *Biomedical Microdevices*, **2008**, 10, 757-67	3.7	38
115	Nucleic acid sensor for insecticide detection. *Journal of Molecular Recognition*, **2008**, 21, 217-23	2.6	12
114	Self-assembled monolayer for low density lipoprotein detection. *Journal of Molecular Recognition*, **2008**, 21, 419-24	2.6	12
113	Polythiophene gold nanoparticles composite film for application to glucose sensor. *Journal of Applied Polymer Science*, **2008**, 110, 988-994	2.9	18
112	Chitosan□iron oxide nanobiocomposite based immunosensor for ochratoxin-A. *Electrochemistry Communications*, **2008**, 10, 1364-1368	5.1	115
111	Preparation of polyaniline/multiwalled carbon nanotube composite by novel electrophoretic route. *Carbon*, **2008**, 46, 1727-1735	10.4	112
110	Polyaniline-carbon nanotube composite film for cholesterol biosensor. *Analytical Biochemistry*, **2008**, 383, 194-9	3.1	125
109	Zinc oxide nanoparticles-chitosan composite film for cholesterol biosensor. *Analytica Chimica Acta*, **2008**, 616, 207-13	6.6	217
108	Nucleic acid immobilized polypyrrole□polyvinylsulphonate film for Mycobacterium tuberculosis detection. *Electrochemistry Communications*, **2008**, 10, 821-826	5.1	33

107	Sol-gel derived nanoporous cerium oxide film for application to cholesterol biosensor. *Electrochemistry Communications*, **2008**, 10, 1246-1249	5.1	182
106	Improved electrochemical nucleic acid biosensor based on polyaniline-polyvinyl sulphonate. *Electrochimica Acta*, **2008**, 53, 4344-4350	6.7	39
105	Dithiobissuccinimidyl propionate self assembled monolayer based cholesterol biosensor. *Analyst, The*, **2007**, 132, 1005-9	5	26
104	Cholesterol biosensor based on rf sputtered zinc oxide nanoporous thin film. *Applied Physics Letters* , **2007**, 91, 063901	3.4	210
103	Application of conducting poly(aniline-co-pyrrole) film to cholesterol biosensor. *Journal of Applied Polymer Science*, **2007**, 105, 3211-3219	2.9	22
102	Poly-(3-hexylthiophene) self-assembled monolayer based cholesterol biosensor using surface plasmon resonance technique. *Biosensors and Bioelectronics*, **2007**, 22, 2516-24	11.8	73
101	Cholesterol biosensor based on N-(2-aminoethyl)-3-aminopropyl-trimethoxysilane self-assembled monolayer. *Analytical Biochemistry*, **2007**, 363, 210-8	3.1	95
100	DNA entrapped polypyrrole-polyvinyl sulfonate film for application to electrochemical biosensor. *Analytical Biochemistry*, **2007**, 366, 71-9	3.1	38
99	Immobilization of cholesterol esterase and cholesterol oxidase onto sol-gel films for application to cholesterol biosensor. *Analytica Chimica Acta*, **2007**, 582, 335-43	6.6	63
98	Polypyrrole-polyvinyl sulphonate film based disposable nucleic acid biosensor. *Analytica Chimica Acta*, **2007**, 589, 6-13	6.6	55
97	Improved performance of polyaniline-uricase biosensor. *Analytica Chimica Acta*, **2007**, 594, 17-23	6.6	77
96	Application of electrochemically prepared poly-N-methylpyrrole-p-toluene sulphonate films to cholesterol biosensor. *Sensors and Actuators B: Chemical*, **2007**, 123, 829-839	8.5	39
95	Immobilization of single stranded DNA probe onto polypyrrole-polyvinyl sulfonate for application to DNA hybridization biosensor. *Sensors and Actuators B: Chemical*, **2007**, 126, 655-663	8.5	46
94	Biosensor for total cholesterol estimation using N-(2-aminoethyl)-3-aminopropyltrimethoxysilane self-assembled monolayer. *Analytical and Bioanalytical Chemistry*, **2007**, 389, 2235-42	4.4	20
93	Cholesterol biosensor based on electrophoretically deposited conducting polymer film derived from nano-structured polyaniline colloidal suspension. *Analytica Chimica Acta*, **2007**, 602, 244-51	6.6	105
92	Ultrasensitive DNA hybridization biosensor based on polyaniline. *Biosensors and Bioelectronics*, **2007**, 23, 613-20	11.8	72
91	Polyaniline Langmuir-Blodgett film based cholesterol biosensor. *Langmuir*, **2007**, 23, 13188-92	4	89
90	Escherichia coli genosensor based on polyaniline. *Analytical Chemistry*, **2007**, 79, 6152-8	7.8	76

89	Application of thiolated gold nanoparticles for the enhancement of glucose oxidase activity. *Langmuir*, **2007**, 23, 3333-7	4	214
88	Cholesterol biosensor based on amino-undecanethiol self-assembled monolayer using surface plasmon resonance technique. *Langmuir*, **2007**, 23, 7398-403	4	53
87	Cholesterol biosensor based on cholesterol esterase, cholesterol oxidase and peroxidase immobilized onto conducting polyaniline films. *Sensors and Actuators B: Chemical*, **2006**, 115, 534-541	8.5	169
86	Application of octadecanethiol self-assembled monolayer to cholesterol biosensor based on surface plasmon resonance technique. *Talanta*, **2006**, 69, 918-26	6.2	76
85	Application of electrochemically prepared polypyrrole-polyvinyl sulphonate films to DNA biosensor. *Biosensors and Bioelectronics*, **2006**, 21, 1777-83	11.8	106
84	Covalent immobilization of cholesterol esterase and cholesterol oxidase on polyaniline films for application to cholesterol biosensor. *Analytica Chimica Acta*, **2006**, 568, 126-32	6.6	114
83	Recent developments in bio-molecular electronics techniques for food pathogens. *Analytica Chimica Acta*, **2006**, 568, 259-74	6.6	82
82	Prospects of conducting polymers in biosensors. *Analytica Chimica Acta*, **2006**, 578, 59-74	6.6	318
81	Application of polyaniline as enzyme based biosensor. *Current Applied Physics*, **2005**, 5, 174-177	2.6	36
80	Recent trends in biosensors. *Current Applied Physics*, **2005**, 5, 92-97	2.6	105
79	Biosensor based on Langmuir-Blodgett films of poly(3-hexyl thiophene) for detection of galactose in human blood. *Biotechnology Letters*, **2004**, 26, 645-7	3	15
78	Immobilization of glucose oxidase onto electrochemically prepared poly(aniline-co-fluoroaniline) films. *Journal of Applied Polymer Science*, **2004**, 91, 3999-4006	2.9	28
77	Preparation and characterization of an enzyme electrode based on cholesterol esterase and cholesterol oxidase immobilized onto conducting polypyrrole films. *Journal of Applied Polymer Science*, **2004**, 91, 3769-3773	2.9	17
76	Immobilization of glucose oxidase onto electrochemically prepared poly(aniline-co-fluoroaniline) films. *Journal of Applied Polymer Science*, **2004**, 92, 1374-1374	2.9	
75	Poly-3-hexyl thiophene Langmuir-Blodgett films for application to glucose biosensor. *Biotechnology and Bioengineering*, **2004**, 85, 277-82	4.9	37
74	LangmuirBlodgett film based biosensor for estimation of galactose in milk. *Electrochimica Acta*, **2004**, 49, 2479-2485	6.7	42
73	Amperometric cholesterol biosensor based on immobilized cholesterol esterase and cholesterol oxidase on conducting polypyrrole films. *Analytica Chimica Acta*, **2004**, 502, 229-234	6.6	130
72	Lactose biosensor based on Langmuir-Blodgett films of poly(3-hexyl thiophene). *Biosensors and Bioelectronics*, **2004**, 20, 651-7	11.8	53

71	Application of polyaniline/sol-gel derived tetraethylorthosilicate films to an amperometric lactate biosensor. *Analytical Sciences*, **2003**, 19, 1477-80	1.7	14
70	Conducting polymer based biomolecular electronic devices **2003**, 61, 331-343		18
69	Characterization of electrochemically synthesized poly(2-fluoroaniline) film and its application to glucose biosensor. *Current Applied Physics*, **2003**, 3, 239-245	2.6	44
68	Prospects of conducting polymers in molecular electronics. *Current Applied Physics*, **2003**, 3, 293-305	2.6	229
67	An experimental set-up for the study of electromechanical properties of conducting polymer films. *Current Applied Physics*, **2003**, 3, 317-320	2.6	3
66	Biosensors for clinical diagnostics industry. *Sensors and Actuators B: Chemical*, **2003**, 91, 117-127	8.5	209
65	Immobilization of glucose oxidase onto LangmuirBlodgett films of poly-3-hexylthiophene. *Current Applied Physics*, **2003**, 3, 275-279	2.6	34
64	Chapter 3 Electrochemical biosensors. *Advances in Biosensors*, **2003**, 63-100		7
63	Chapter 4 Diagnostics applications of enzyme-doped sol-gel derived glasses. *Advances in Biosensors*, **2003**, 101-130		1
62	Immobilization of urease on poly(N-vinyl carbazole)/stearic acid Langmuir-Blodgett films for application to urea biosensor. *Biosensors and Bioelectronics*, **2002**, 17, 697-703	11.8	80
61	LangmuirBlodgett films of poly(3-dodecyl thiophene) for application to glucose biosensor. *Sensors and Actuators B: Chemical*, **2002**, 86, 42-48	8.5	72
60	Application of conducting polymers to biosensors. *Biosensors and Bioelectronics*, **2002**, 17, 345-59	11.8	1296
59	Mediated biosensors. *Biosensors and Bioelectronics*, **2002**, 17, 441-56	11.8	601
58	Covalent immobilization of urease on polypyrrole microspheres for application as a urea biosensor. *E-Polymers*, **2002**, 2,	2.7	3
57	Synthesis and characterization of a copolymer: Poly(aniline-co-fluoroaniline). *Journal of Applied Polymer Science*, **2001**, 81, 1460-1466	2.9	77
56	Immobilization of cholesterol oxidase and potassium ferricyanide on dodecylbenzene sulfonate ion-doped polypyrrole film. *Journal of Applied Polymer Science*, **2001**, 82, 3486-3491	2.9	104
55	Immobilization of lactate dehydrogenase on electrochemically prepared polypyrrolePolyvinylsulphonate composite films for application to lactate biosensors. *Electrochimica Acta*, **2001**, 46, 723-729	6.7	85
54	Synthesis and characterization of fluoro-substituted polyaniline. *Applied Biochemistry and Biotechnology*, **2001**, 96, 155-65	3.2	15

53	Coimmobilization of urease and glutamate dehydrogenase in electrochemically prepared polypyrrole-polyvinyl sulfonate films. *Applied Biochemistry and Biotechnology*, **2001**, 96, 249-57	3.2	81
52	Characterization of DNA immobilized on electrochemically prepared conducting polypyrrole-polyvinyl sulfonate films. *Applied Biochemistry and Biotechnology*, **2001**, 96, 303-9	3.2	17
51	Characterization of DNA immobilized on electrochemically prepared conducting polypyrrole-polyvinyl sulfonate films. *Applied Biochemistry and Biotechnology*, **2001**, 96, 313-320	3.2	6
50	Immobilization of lactate dehydrogenase on tetraethylorthosilicate-derived sol-gel films for application to lactate biosensor. *Applied Biochemistry and Biotechnology*, **2001**, 96, 293-301	3.2	3
49	Thermal analysis of chemically synthesized polyemeraldine base. *Journal of Applied Polymer Science* , **2000**, 75, 149-155	2.9	33
48	Covalent immobilization of glucose oxidase to poly(O-amino benzoic acid) for application to glucose biosensor. *Journal of Applied Polymer Science*, **2000**, 78, 662-667	2.9	90
47	Co-immobilization of lactate oxidase and lactate dehydrogenase on conducting polyaniline films. *Analytica Chimica Acta*, **2000**, 407, 97-103	6.6	101
46	Co-immobilization of cholesterol oxidase and horseradish peroxidase in a sol-gel film. *Analytica Chimica Acta*, **2000**, 414, 43-50	6.6	117
45	Time-of-Flight Photocarrier Mobility in Langmuir-Blodgett Films of Regioregular Poly(3-hexylthiophene). *Japanese Journal of Applied Physics*, **1999**, 38, 6768-6771	1.4	12
44	Characteristics of aqueous polycarbazole batteries. *Journal of Applied Polymer Science*, **1999**, 74, 145-150	2.9	68
43	Immobilization of Lactate Dehydrogenase on Electrochemically Prepared Polyaniline Films. *Electroanalysis*, **1999**, 11, 450-452	3	44
42	Characteristics of aqueous polycarbazole batteries **1999**, 74, 145		1
41	Enhanced loading of glucose oxidase on polyaniline films based on anion exchange. *Journal of Applied Polymer Science*, **1998**, 70, 1447-1453	2.9	24
40	Dielectric relaxation in thin conducting polyaniline films. *Polymer*, **1998**, 39, 3399-3404	3.9	33
39	Electrochromic properties of polycarbazole films. *Polymer*, **1997**, 38, 1625-1629	3.9	68
38	Immobilization and Characterization of Lactate Dehydrogenase on TEOS Derived Sol-Gel Films. *Journal of Sol-Gel Science and Technology*, **1997**, 10, 309-316	2.3	27
37	Electrical properties of metal/Langmuir-Blodgett (polymeraldine base) layer/metal devices. *Journal of Applied Polymer Science*, **1997**, 63, 141-145	2.9	14
36	Electrical properties of metal (indium)/polyaniline Schottky devices. *Journal of Applied Polymer Science*, **1997**, 65, 2745-2748	2.9	38

35	Electrochemical Growth of Polyaniline in Porous Sol-Gel Films. *Chemistry of Materials*, **1996**, 8, 822-824	9.6	71
34	Simulation of Electrochemical Process for Glucose Oxidase Immobilized Conducting Polymer Electrodes. *Analytical Letters*, **1996**, 29, 1477-1484	2.2	8
33	Polycarbazole-film-coated electrodes as electrochromic devices. *Advanced Materials for Optics and Electronics*, **1996**, 6, 399-402		11
32	Electrical properties of metal/Langmuir-Blodgett layer/semiconductive devices. *Journal of Applied Polymer Science*, **1996**, 60, 407-411	2.9	9
31	Dielectric spectroscopic studies on polypyrrole glucose oxidase films. *Journal of Applied Polymer Science*, **1996**, 60, 2309-2316	2.9	14
30	Preparation and characterization of Langmuir-Blodgett films of polyemeraldine base. *Polymer*, **1996**, 37, 4809-4813	3.9	10
29	Electrochromic response of thin polypyrrole film in semi-solid electrolyte. *Journal of Materials Science Letters*, **1996**, 15, 997		10
28	Immobilization of glucose oxidase in electrochemically prepared polypyrrole films. *Journal of Materials Science Letters*, **1996**, 15, 124-128		11
27	Novel electrochromism phenomenon observed in polyaniline films. *Synthetic Metals*, **1995**, 75, 119-122	3.6	15
26	Ion exchanged polypyrrole-based glucose biosensor: Enhanced loading and response. *Electroanalysis*, **1995**, 7, 579-582	3	14
25	Influence of pH on the electroactivity of polycarbazole. *Materials Science and Engineering C*, **1995**, 3, 215-218	8.3	18
24	Application of polyaniline-Langmuir-Blodgett films as a glucose biosensor. *Materials Science and Engineering C*, **1995**, 3, 159-163	8.3	64
23	Electroactivity and proton doping of polycarbazole. *Journal of Materials Science Letters*, **1995**, 14, 401-404		11
22	AC conductivity of polyemeraldine base. *Journal of Physics Condensed Matter*, **1994**, 6, 8913-8922	1.8	8
21	Performance of electrochromic cells of polyaniline in polymeric electrolytes. *Journal of Materials Science Letters*, **1994**, 13, 1490-1493		31
20	Application of poly(aniline) as a glucose biosensor. *Sensors and Actuators B: Chemical*, **1994**, 21, 165-169	8.5	36
19	Glucose Biosensor Based on a Sol-Gel-Derived Platform. *Analytical Chemistry*, **1994**, 66, 3139-3144	7.8	232
18	A Novel Protocol to Entrap Active Urease in a Tetraethoxysilane-Derived Sol-Gel Thin-Film Architecture. *Chemistry of Materials*, **1994**, 6, 1596-1598	9.6	67

17	Photocarrier mobility in processable polyaniline. *Journal of Applied Physics*, **1993**, 74, 2109-2111	2.5	21
16	Muon studies of conducting polymers. *Synthetic Metals*, **1993**, 55, 677-684	3.6	19
15	Synthesis and characterization of poly(aniline-co-o-anisidine). A processable conducting copolymer. *Macromolecules*, **1993**, 26, 3190-3193	5.5	122
14	Langmuir-Blodgett films of processable polyaniline. *The Journal of Physical Chemistry*, **1993**, 97, 11580-11582		55
13	Optical and electrical characteristics of electrodeposited polypyrrole films. *Journal of Applied Polymer Science*, **1993**, 50, 411-417	2.9	10
12	Interfacial polarization in semiconducting polypyrrole thin films. *Journal of Physics Condensed Matter*, **1992**, 4, 5747-5756	1.8	23
11	Vacuum-deposited metal/polyaniline Schottky device. *Applied Physics Letters*, **1992**, 61, 1219-1221	3.4	66
10	Some recent studies on metal/polyaniline schottky devices. *Journal of Applied Polymer Science*, **1992**, 44, 911-915	2.9	39
9	Metal/semiconductive polymer Schottky device. *Applied Physics Letters*, **1991**, 58, 51-52	3.4	126
8	Metal/Semiconducting Polyaniline Heterojunctions **1991**, 401-405		
7	Polyaniline/Polymeric acid composite, a novel conducting rubber. *Journal of Applied Polymer Science*, **1990**, 40, 1049-1052	2.9	75
6	Poly-□haphthalene oxide-pyrrole: A new electro-chemically-generated conducting polymer. *Synthetic Metals*, **1989**, 31, 155-162	3.6	48
5	Defects in conducting polymers. *Bulletin of Materials Science*, **1988**, 10, 85-96	1.7	6
4	Recent studies of heterocyclic and aromatic conducting polymers. *Progress in Polymer Science*, **1986**, 12, 179-218	29.6	48
3	Electrochemical copolymerization and doping of phenylene oxide□pyrrole: A new conducting polymer. *Journal of Polymer Science, Polymer Letters Edition*, **1985**, 23, 57-61		21
2	Is the glass transition in some super-cooled polyphenyls preceded by molecular cluster formation?. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1985**, 108, 153-156	2.3	5
1	Detection of biomolecules in dielectric modulated double metal below ferroelectric layer FET with improved sensitivity. *Journal of Materials Science: Materials in Electronics*,1	2.1	0