

# Rajiv Prakash

## List of Publications by Citations

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236  
papers

5,001  
citations

36  
h-index

57  
g-index

247  
ext. papers

5,885  
ext. citations

4  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
236	Musa paradisica peel extract as green corrosion inhibitor for mild steel in HCl solution. <i>Corrosion Science</i> , <b>2015</b> , 90, 107-117	6.8	250
235	Inhibitive Effect of Argemone mexicana Plant Extract on Acid Corrosion of Mild Steel. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 11954-11959	3.9	135
234	Controlled drug release characteristics and enhanced antibacterial effect of graphene nanosheets containing gentamicin sulfate. <i>Nanoscale</i> , <b>2011</b> , 3, 4104-8	7.7	123
233	Electrochemical Synthesis of Polyindole and Its Evaluation for Rechargeable Battery Applications. <i>Journal of the Electrochemical Society</i> , <b>1998</b> , 145, 999-1003	3.9	123
232	Probing a highly efficient dual mode: down-upconversion luminescence and temperature sensing performance of rare-earth oxide phosphors. <i>Dalton Transactions</i> , <b>2013</b> , 42, 1065-72	4.3	115
231	A self-doped conducting polymer polyanthranilic acid—An efficient corrosion inhibitor for mild steel in acidic solution. <i>Corrosion Science</i> , <b>2008</b> , 50, 2867-2872	6.8	106
230	Poly-3-hexylthiophene based organic field-effect transistor: Detection of low concentration of ammonia. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 171-172, 962-968	8.5	91
229	Inhibitive Effect of Chlorophytum borivilianum Root Extract on Mild Steel Corrosion in HCl and H <sub>2</sub> SO <sub>4</sub> Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 10673-10681	3.9	83
228	Structural, thermal, and fluorescence properties of Eu(DBM)(3)Phen(x) complex doped in PMMA. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 13042-51	3.4	82
227	Characterization of Electropolymerized Polyindole: Application in the Construction of a Solid-State, Ion-Selective Electrode. <i>Journal of the Electrochemical Society</i> , <b>1998</b> , 145, 4103-4107	3.9	82
226	Synthesis of nanorods and mixed shaped copper ferrite and their applications as liquefied petroleum gas sensor. <i>Applied Surface Science</i> , <b>2011</b> , 257, 10763-10770	6.7	70
225	Low cost aqueous extract of Pisum sativum peels for inhibition of mild steel corrosion. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 254, 357-368	6	69
224	Electrochemistry of polyaniline: Study of the pH effect and electrochromism. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 83, 378-385	2.9	69
223	Polyindole modified potassium ion-sensor using dibenzo-18-crown-6 mediated PVC matrix membrane. <i>Sensors and Actuators B: Chemical</i> , <b>1998</b> , 46, 61-65	8.5	68
222	Controlled morphology of conducting polymers: Formation of nanorods and microspheres of polyindole. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 120, 625-630	4.4	67
221	Electrochemical investigation of Irbesartan drug molecules as an inhibitor of mild steel corrosion in 1 M HCl and 0.5 M H <sub>2</sub> SO <sub>4</sub> solutions. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 236, 184-197	6	64
220	One step synthesis of AuNPs@MoS <sub>2</sub> -QDs composite as a robust peroxidase-mimetic for instant unaided eye detection of glucose in serum, saliva and tear. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 263, 109-119	8.5	62

219	Nano-structured nickel oxide based DNA biosensor for detection of visceral leishmaniasis (Kala-azar). <i>Analyst, The</i> , <b>2011</b> , 136, 2845-51	5	62
218	Synthesis and characterization of polyaniline-carboxylated PVC composites: Application in development of ammonia sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 132, 99-106	8.5	62
217	One step electro-oxidative preparation of graphene quantum dots from wood charcoal as a peroxidase mimetic. <i>Talanta</i> , <b>2017</b> , 173, 36-43	6.2	60
216	A chitosan-based polyaniline-Au nanocomposite biosensor for determination of cholesterol. <i>Analytical Methods</i> , <b>2014</b> , 6, 817-824	3.2	60
215	Assessment of contamination of soil due to heavy metals around coal fired thermal power plants at Singrauli region of India. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2010</b> , 85, 219-23	2.7	55
214	A comparative Study of Aptasensor Vs Immunosensor for Label-Free PSA Cancer Detection on GQDs-AuNRs Modified Screen-Printed Electrodes. <i>Scientific Reports</i> , <b>2018</b> , 8, 1923	4.9	52
213	Experimental and theoretical investigation of aqueous and methanolic extracts of Prunus dulcis peels as green corrosion inhibitors of mild steel in aggressive chloride media. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 276, 347-361	6	49
212	Electronic and optical properties of electrochemically polymerized polycarbazole/aluminum Schottky diodes. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 114506	2.5	48
211	Electro-oxidation of formic acid using polyindole-SnO <sub>2</sub> nanocomposite. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 2533	5.5	47
210	Determination of total arsenic content in water by atomic absorption spectroscopy (AAS) using vapour generation assembly (VGA). <i>Chemosphere</i> , <b>2006</b> , 63, 17-21	8.4	44
209	Synthesis of graphene oxide and its application for the adsorption of Pb <sup>2+</sup> from aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 47, 169-178	6.3	43
208	Interfacial polymerization of carbazole: Morphology controlled synthesis. <i>Synthetic Metals</i> , <b>2010</b> , 160, 523-528	3.6	39
207	Electrical and ammonia gas sensing properties of poly(3,3'-dialkylquaterthiophene) based organic thin film transistors fabricated by floating-film transfer method. <i>Organic Electronics</i> , <b>2017</b> , 48, 53-60	3.5	38
206	Multifunctional inulin tethered silver-graphene quantum dots nanotheranostic module for pancreatic cancer therapy. <i>Materials Science and Engineering C</i> , <b>2017</b> , 78, 1203-1211	8.3	38
205	Copper(II) ion-selective microelectrochemical transistor. <i>Journal of Solid State Electrochemistry</i> , <b>2000</b> , 4, 234-236	2.6	38
204	Air-stable vapor phase sensing of ammonia in sub-threshold regime of poly(2,5-bis(3-tetradecylthiophen-2yl)thieno(3,2-b)thiophene) based polymer thin-film transistor. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 243-251	8.5	37
203	Effect of post annealing on structural and optical properties of ZnO thin films deposited by vacuum coating technique. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2010</b> , 21, 309-315	2.1	37
202	Microbial biosensor based on whole cell of Pseudomonas sp. for online measurement of p-Nitrophenol. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 131, 295-300	8.5	37

201	Organic Schottky diode based on conducting polymer/nanoclay composite. <i>RSC Advances</i> , <b>2012</b> , 2, 5277	3.7	36
200	Macroscopic self ordering of solution processible poly(3,3',5,5'-dialkylquaterthiophene) by floating film transfer method. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 054309	2.5	36
199	One-pot synthesis of Polyindole/Au nanocomposite and its nanoscale electrical properties. <i>Materials Letters</i> , <b>2011</b> , 65, 3016-3019	3.3	35
198	Trace analysis of cefotaxime at carbon paste electrode modified with novel Schiff base Zn(II) complex. <i>Talanta</i> , <b>2009</b> , 77, 1426-31	6.2	35
197	Studies on polycarbazole-modified electrode and its applications in the development of solid-state potassium and copper(II) ion sensors. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 75, 1749-1759	2.9	35
196	Aqueous extract of Argemone mexicana roots for effective protection of mild steel in an HCl environment. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 439-459	2.8	34
195	Enhancement in performance of polycarbazole-graphene nanocomposite Schottky diode. <i>AIP Advances</i> , <b>2013</b> , 3, 122120	1.5	34
194	Processible polyacid doped polyaniline composites: Application for charge storage devices. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 1746-1751	8.3	32
193	Direct Estimation of Total Arsenic Using A Novel Metal Side Disk Rotating Electrode. <i>Electroanalysis</i> , <b>2003</b> , 15, 1410-1414	3	32
192	Multifunctional Few-Layer MoS <sub>2</sub> for Photodetection and Surface-Enhanced Raman Spectroscopy Application with Ultrasensitive and Repeatable Detectability. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18071-18078	3.8	31
191	High-performance photo detector based on hydrothermally grown SnO <sub>2</sub> nanowire/reduced graphene oxide (rGO) hybrid material. <i>Organic Electronics</i> , <b>2017</b> , 50, 359-366	3.5	31
190	Preparation and characterization of hydroxypropyl-β-cyclodextrin inclusion complex of eugenol: differential pulse voltammetry and (1)H-NMR. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2010</b> , 58, 1313-9	1.9	31
189	Influence of aspect ratio and surface defect density on hydrothermally grown ZnO nanorods towards amperometric glucose biosensing applications. <i>Applied Surface Science</i> , <b>2017</b> , 422, 798-808	6.7	30
188	Electrolyte effects on various properties of polycarbazole. <i>Thin Solid Films</i> , <b>2010</b> , 519, 1016-1019	2.2	30
187	A strategy to achieve efficient dual-mode luminescence in lanthanide-based magnetic hybrid nanostructure and its demonstration for the detection of latent fingerprints. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 491, 199-206	9.3	29
186	Electrochromic window based on polyaniline. <i>Journal of Solid State Electrochemistry</i> , <b>1998</b> , 2, 123-125	2.6	29
185	Quick colorimetric determination of choline in milk and serum based on the use of MoS <sub>2</sub> nanosheets as a highly active enzyme mimetic. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 224	5.8	28
184	Electrical and Ammonia Gas Sensing Properties of PQT-12/CdSe Quantum Dots Composite-Based Organic Thin Film Transistors. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 6085-6091	4	28

183	Directed Self-Assembly of Poly(3,3'-dialkylquaterthiophene) Polymer Thin Film: Effect of Annealing Temperature. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 22943-22951	3.8	28
182	Lanthanide doped ultrafine hybrid nanostructures: multicolour luminescence, upconversion based energy transfer and luminescent solar collector applications. <i>Nanoscale</i> , <b>2017</b> , 9, 696-705	7.7	27
181	Chitosan based new nanocomposites for corrosion protection of mild steel in aggressive chloride media. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 140, 177-187	7.9	27
180	Polyindole/ carboxylated-multiwall carbon nanotube composites produced by in-situ and interfacial polymerization. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 80-87	4.4	27
179	Polyindole-Au nanocomposite produced at the liquid/liquid interface. <i>Materials Letters</i> , <b>2012</b> , 66, 250-253	3.3	27
178	Polycarbazole modified electrode; nitric oxide sensor. <i>Polymer Bulletin</i> , <b>2001</b> , 46, 487-490	2.4	27
177	Flexible poly (3, 3'- dialkylquaterthiophene) based interdigitated metal-semiconductor-metal ammonia gas sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 203-209	8.5	27
176	A label-free genosensor for BRCA1 related sequence based on impedance spectroscopy. <i>Analyt, The</i> , <b>2010</b> , 135, 2887-93	5	26
175	Non-covalent functionalization of graphene oxide by polyindole and subsequent incorporation of Ag nanoparticles for electrochemical applications. <i>Applied Surface Science</i> , <b>2015</b> , 355, 262-267	6.7	25
174	Economic use of waste Musa paradisiaca peels for effective control of mild steel loss in aggressive acid solutions. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 4773-4783	6.8	25
173	Surface plasmon coupled metal enhanced spectral and charge transport properties of poly(3,3'-dialkylquaterthiophene) Langmuir Schaefer films. <i>Nanoscale</i> , <b>2015</b> , 7, 6083-92	7.7	24
172	A comparative study on surface morphological investigations of ferric oxide for LPG and opto-electronic humidity sensors. <i>Applied Surface Science</i> , <b>2012</b> , 258, 8780-8789	6.7	24
171	Specific interactions in partially miscible polycarbonate (PC)/poly (methyl methacrylate) (PMMA) blends. <i>Chemical Physics Letters</i> , <b>2010</b> , 486, 32-36	2.5	24
170	A facile methodology for the design of functionalized hollow silica spheres. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 346, 265-9	9.3	24
169	Recent progress in nano-oxides and CNTs based corrosion resistant superhydrophobic coatings: A critical review. <i>Progress in Organic Coatings</i> , <b>2020</b> , 140, 105512	4.8	24
168	Application of Unsaturated Fatty Acid Molecules Derived from Microalgae toward Mild Steel Corrosion Inhibition in HCl Solution: A Novel Approach for Metal-Inhibitor Association. <i>ACS Omega</i> , <b>2018</b> , 3, 12369-12382	3.9	24
167	Highly Sensitive in vitro Biosensor for Enterotoxigenic Escherichia coli Detection Based on ssDNA Anchored on PtNPs-Chitosan Nanocomposite. <i>Electroanalysis</i> , <b>2017</b> , 29, 2665-2671	3	23
166	Genosensor based on a nanostructured, platinum-modified glassy carbon electrode for Listeria detection. <i>Analytical Methods</i> , <b>2015</b> , 7, 2616-2622	3.2	23

165	Novel Synthesis of Polycarbazole-Gold Nanocomposite. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 1692-1699	2.6	23
164	Reactive compatibilization of polycarbonate and poly(methyl methacrylate) in the presence of a novel transesterification catalyst SnCl <sub>2</sub> ·2H <sub>2</sub> O. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 1601-7	3.4	22
163	Copper(II) ion sensor based on electropolymerized undoped conducting polymers. <i>Journal of Solid State Electrochemistry</i> , <b>2002</b> , 6, 203-208	2.6	22
162	Interface engineering for enhancement in performance of organic/inorganic hybrid heterojunction diode. <i>Organic Electronics</i> , <b>2017</b> , 45, 26-32	3.5	21
161	Molecular self ordering and charge transport in layer by layer deposited poly (3,3'-dialkylquaterthiophene) films formed by Langmuir-Schaefer technique. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 094311	2.5	21
160	Photochemically assisted formation of silver nanoparticles by dithizone, and its application in amperometric sensing of cefotaxime. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 6859-6866	7.1	21
159	Homogenous Dispersion of MoS Nanosheets in Polyindole Matrix at Air-Water Interface Assisted by Langmuir Technique. <i>Langmuir</i> , <b>2017</b> , 33, 13572-13580	4	21
158	Microwave-assisted chemical synthesis of conducting polyindole: Study of electrical property using Schottky junction. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	21
157	Effect of organic solvents on peroxidases from rice and horseradish: prospects for enzyme based applications. <i>Talanta</i> , <b>2012</b> , 97, 204-10	6.2	21
156	Electronic Properties and Junction Behavior of Polyanthranilic Acid/Metal Contacts. <i>IEEE Electron Device Letters</i> , <b>2008</b> , 29, 571-574	4.4	21
155	Influences of carbon nanofillers on mechanical performance of epoxy resin polymer. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 305-313	3.3	20
154	Polymer/Graphene oxide nanocomposite thin film for NO sensor: An in situ investigation of electronic, morphological, structural, and spectroscopic properties. <i>Scientific Reports</i> , <b>2020</b> , 10, 2981	4.9	20
153	Donor-Acceptor-Type Configured, Dimethylamino-Based Organic Push-Pull Chromophores for Effective Reduction of Mild Steel Corrosion Loss in 1 M HCl. <i>ACS Omega</i> , <b>2018</b> , 3, 4081-4093	3.9	20
152	Vanadium doped few-layer ultrathin MoS nanosheets on reduced graphene oxide for high-performance hydrogen evolution reaction.. <i>RSC Advances</i> , <b>2019</b> , 9, 22232-22239	3.7	20
151	Evidence for in situ graft copolymer formation and compatibilization of PC and PMMA during reactive extrusion processing in the presence of the novel organometallic transesterification catalyze tin(II) 2-ethylhexanoate. <i>RSC Advances</i> , <b>2012</b> , 2, 10316	3.7	20
150	Development of nanostructured nickel reinforced polyacrylamide via frontal polymerization for a reliable room temperature humidity sensor. <i>European Polymer Journal</i> , <b>2019</b> , 112, 161-169	5.2	20
149	Pressure dependent surface morphology and Raman studies of semicrystalline poly(indole-5-carboxylic acid) by the Langmuir-Blodgett technique. <i>RSC Advances</i> , <b>2013</b> , 3, 15712	3.7	19
148	A comparative study of spin coated and floating film transfer method coated poly (3-hexylthiophene)/poly (3-hexylthiophene)-nanofibers based field effect transistors. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 094306	2.5	19



147	A proposed organic Schottky barrier photodetector for application in the visible region. <i>Current Applied Physics</i> , <b>2010</b> , 10, 900-903	2.6	19
146	Structural and optical properties of Sm(DBM)3Phen doped in poly(methyl methacrylate) (PMMA): An evidence for cascading energy transfer process. <i>Chemical Physics Letters</i> , <b>2010</b> , 485, 309-314	2.5	19
145	One pot synthesis of coordination polymer 2,5-dimercapto-1,3,4-thiadiazole-gold and its application in voltammetric sensing of resorcinol. <i>RSC Advances</i> , <b>2014</b> , 4, 25675-25682	3.7	18
144	Electrocatalytic Performance of Interfacially Synthesized Au-Polyindole Composite toward Formic Acid Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 9374-9380	3.9	18
143	Voltammetric determination of the antimalarial drug chloroquine using a glassy carbon electrode modified with reduced graphene oxide on WS quantum dots. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 415	5.8	17
142	Label-free impedimetric detection of <i>Listeria monocytogenes</i> based on poly-5-carboxy indole modified ssDNA probe. <i>Journal of Biotechnology</i> , <b>2015</b> , 200, 70-6	3.7	17
141	Large Area Vertically Oriented Few-Layer MoS <sub>2</sub> for Efficient Thermal Conduction and Optoelectronic Applications. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 1268-1275	6.4	17
140	Green approach of synthesis of thiazolyl imines and their impeding behavior against corrosion of mild steel in acid medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 599, 124824	5.1	17
139	A nanoporous palladium(II) bridged coordination polymer acting as a peroxidase mimic in a method for visual detection of glucose in tear and saliva. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 245	5.8	17
138	Studies on some spinel oxides based electrocatalysts for oxygen evolution and capacitive applications. <i>Electrochimica Acta</i> , <b>2019</b> , 320, 134584	6.7	17
137	A comparative thermal, optical, morphological and mechanical properties studies of pristine and C15A nanoclay-modified PC/PMMA blends: a critical evaluation of the role of nanoclay particles as compatibilizers. <i>RSC Advances</i> , <b>2013</b> , 3, 15411	3.7	17
136	Photochemical assisted formation of silver nano dendrites and their application in amperometric sensing of nitrite. <i>RSC Advances</i> , <b>2014</b> , 4, 7521	3.7	16
135	Suppression of electrochemical creep by cross-link in polypyrrole soft actuators. <i>Physics Procedia</i> , <b>2011</b> , 14, 143-146		16
134	Lemon seeds as green coating material for mitigation of mild steel corrosion in acid media: Molecular dynamics simulations, quantum chemical calculations and electrochemical studies. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 316, 113797	6	16
133	. <i>IEEE Nanotechnology Magazine</i> , <b>2018</b> , 17, 1111-1117	2.6	15
132	Poly(3-hexylthiophene) (P3HT)/graphene nanocomposite material based organic field effect transistor with enhanced mobility. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 2823-8	1.3	15
131	P3HT-fiber-based field-effect transistor: Effects of nanostructure and annealing temperature. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 021601	1.4	15
130	Electronic properties of soluble functionalized polyaniline (polyanthranilic acid)-multiwalled carbon nanotube nanocomposites: Influence of synthesis methods. <i>Synthetic Metals</i> , <b>2011</b> , 161, 481-488	3.6	15

129	Chemical synthesis of poly(5-carboxyindole) and poly(5-carboxyindole)/carboxylated multiwall carbon nanotube nanocomposite. <i>Thin Solid Films</i> , <b>2010</b> , 519, 218-222	2.2	15
128	Copper(II) ion-selective microelectrochemical transistor. <i>Applied Biochemistry and Biotechnology</i> , <b>2001</b> , 96, 63-9	3.2	15
127	Effect of steric hinderance on junction properties of poly (3-alkylthiophene)s based schottky diodes. <i>Polymer Bulletin</i> , <b>2000</b> , 45, 267-274	2.4	15
126	Electrochemical detection of azidothymidine on modified probes based on chitosan stabilised silver nanoparticles hybrid material. <i>RSC Advances</i> , <b>2015</b> , 5, 90089-90097	3.7	14
125	Metal free triad from red phosphorous, reduced graphene oxide and graphitic carbon nitride (red P-rGO-g-C3N4) as robust electro-catalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2020</b> , 338, 135851	6.7	14
124	Tailoring the charge carrier in few layers MoS2 field-effect transistors by Au metal adsorbate. <i>Applied Surface Science</i> , <b>2018</b> , 437, 70-74	6.7	14
123	Fast grown self-assembled polythiophene/graphene oxide nanocomposite thin films at air/liquid interface with high mobility used in polymer thin film transistors. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9981-9989	7.1	14
122	Synthesis of processible doped polyaniline-polyacrylic acid composites. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 874-882	2.9	14
121	Preparation and characterization of Tb <sup>3+</sup> and Tb(sal) <sub>3</sub> ·3H <sub>2</sub> O doped PC:PMMA blend. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 2451-2456	3.8	14
120	Novel Ni(II) Mixed Ligand Complex Modified Electrode: Catalytic Effect on Anodic Oxidation of Phenol. <i>Electroanalysis</i> , <b>2004</b> , 16, 572-576	3	14
119	A composite prepared from MoS quantum dots and silver nanoparticles and stimulated by mercury(II) is a robust oxidase mimetic for use in visual determination of cysteine. <i>Mikrochimica Acta</i> , <b>2019</b> , 187, 74	5.8	14
118	In situ one step synthesis of Fe inserted octaethylporphyrin/polyindole: A multifunctional hybrid material with improved electrochemical and electrical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2018</b> , 227, 80-88	3.1	14
117	Colorimetric detection of picric acid using silver nanoparticles modified with 4-amino-3-hydrazino-5-mercapto-1,2,4-triazole. <i>Applied Surface Science</i> , <b>2018</b> , 449, 174-180	6.7	13
116	Electronic Properties and Photoresponse of Polycarbazole-Multiwalled Carbon Nanotube Nanocomposite/Aluminum Schottky Diode. <i>IEEE Electron Device Letters</i> , <b>2011</b> , 32, 593-595	4.4	13
115	Poly-3-Hexylthiophene (P3HT)/Graphene Nanocomposite Field-Effect-Transistor as Ammonia Detector. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 9634-9641	1.3	13
114	Pivotal role of levoglucosenone and hexadecanoic acid from microalgae <i>Chlorococcum</i> sp. for corrosion resistance on mild steel: Electrochemical, microstructural and theoretical analysis. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 266, 279-290	6	12
113	An anthraquinone moiety/cysteamine functionalized-gold nanoparticle/chitosan based nanostructured composite for the electroanalytical detection of dissolved oxygen within aqueous media. <i>Analytical Methods</i> , <b>2014</b> , 6, 8793-8801	3.2	12
112	Graphene sheets modified with polyindole for electro-chemical detection of dopamine. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 2501-6	1.3	12



111	Self-assembled H-aggregation induced high performance poly (3-hexylthiophene) Schottky diode. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 225501	2.5	12
110	Ninety Second Electrosynthesis of Palladium Nanocubes on ITO Surface and Its Application in Electroensing of Cefotaxime. <i>Electroanalysis</i> , <b>2014</b> , 26, 2337-2341	3	12
109	Lanthanide Doped Dual-Mode Nanophosphor as a Spectral Converter for Promising Next Generation Solar Cells. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 405-412	2.3	12
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