

# Fengna Xi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127  
papers

11,202  
citations

49  
h-index

105  
g-index

129  
ext. papers

12,921  
ext. citations

8.6  
avg, IF

6.83  
L-index

#	Paper	IF	Citations
127	Three-dimensional macroscopic graphene supported vertically-ordered mesoporous silica-nanochannel film for direct and ultrasensitive detection of uric acid in serum. <i>Talanta</i> , <b>2022</b> , 238, 123027	6.2	6
126	A Flexible Electrochemiluminescence Sensor Equipped With Vertically Ordered Mesoporous Silica Nanochannel Film for Sensitive Detection of Clindamycin.. <i>Frontiers in Chemistry</i> , <b>2022</b> , 10, 872582	5	1
125	Bipolar silica nanochannel array for dual-mode electrochemiluminescence and electrochemical immunosensing platform. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 368, 132086	8.5	4
124	Silica Nanochannel Array Film Supported by -Cyclodextrin-Functionalized Graphene Modified Gold Film Electrode for Sensitive and Direct Electroanalysis of Acetaminophen.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 812086	5	3
123	Vertically Ordered Mesoporous Silica-Nanochannel Film-Equipped Three-Dimensional Macroporous Graphene as Sensitive Electrochemiluminescence Platform. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 770512	5	2
122	Colorimetric and Fluorescent Dual-Modality Sensing Platform Based on Fluorescent Nanozyme. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 774486	5	4
121	Iron and nitrogen co-doped graphene quantum dots as highly active peroxidases for the sensitive detection of L-cysteine. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 19056-19064	3.6	0
120	Integration of vertically-ordered mesoporous silica-nanochannel film with electro-activated glassy carbon electrode for improved electroanalysis in complex samples. <i>Talanta</i> , <b>2021</b> , 225, 122066	6.2	6
119	A co-delivery platform for synergistic promotion of angiogenesis based on biodegradable, therapeutic and self-reporting luminescent porous silicon microparticles. <i>Biomaterials</i> , <b>2021</b> , 272, 120772	15.6	11
118	Dual anions engineering on nickel cobalt-based catalyst for optimal hydrogen evolution electrocatalysis. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 589, 127-134	9.3	15
117	Graphene quantum dot-decorated luminescent porous silicon dressing for theranostics of diabetic wounds. <i>Acta Biomaterialia</i> , <b>2021</b> , 131, 544-554	10.8	9
116	Graphene quantum dots assisted exfoliation of atomically-thin 2D materials and as-formed 0D/2D van der Waals heterojunction for HER. <i>Carbon</i> , <b>2021</b> , 184, 554-561	10.4	4
115	Ratiometric Fluorescent Nanohybrid for Noninvasive and Visual Monitoring of Sweat Glucose. <i>ACS Sensors</i> , <b>2020</b> , 5, 2096-2105	9.2	38
114	Graphene quantum dots as full-color and stimulus responsive fluorescence ink for information encryption. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 579, 307-314	9.3	23
113	Confinement of fluorine anions in nickel-based catalysts for greatly enhancing oxygen evolution activity. <i>Chemical Communications</i> , <b>2020</b> , 56, 4196-4199	5.8	21
112	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , <b>2020</b> , 56, 5131-5134	5.8	23
111	van der Waals Heterojunction between a Bottom-Up Grown Doped Graphene Quantum Dot and Graphene for Photoelectrochemical Water Splitting. <i>ACS Nano</i> , <b>2020</b> , 14, 1185-1195	16.7	58

110	Naturally derived honeycomb-like N,S-codoped hierarchical porous carbon with MS (M = Co, Ni) decoration for high-performance Li-S battery. <i>Nanoscale</i> , <b>2020</b> , 12, 5114-5124	7.7	43
109	Dendritic cells reprogrammed by CEA messenger RNA loaded multi-functional silica nanospheres for imaging-guided cancer immunotherapy. <i>Biomaterials Science</i> , <b>2020</b> , 8, 3026-3031	7.4	1
108	2F-Methyl molecular beacon: a promising molecular tool that permits elimination of sticky-end pairing and improvement of detection sensitivity.. <i>RSC Advances</i> , <b>2020</b> , 10, 41618-41624	3.7	3
107	Green synthesis of upconversion nanocrystals by adjusting local precursor supersaturation under aqueous conditions. <i>Materials Advances</i> , <b>2020</b> , 1, 2707-2711	3.3	0
106	Functional nanostructure-loaded three-dimensional graphene foam as a non-enzymatic electrochemical sensor for reagentless glucose detection.. <i>RSC Advances</i> , <b>2020</b> , 10, 33739-33746	3.7	16
105	Bi <sub>2</sub> MoO <sub>6</sub> /g-C <sub>3</sub> N <sub>4</sub> of 0D/2D heterostructure as efficient photocatalyst for selective oxidation of aromatic alkanes. <i>Applied Surface Science</i> , <b>2019</b> , 490, 102-108	6.7	44
104	One-step synthesis of boron-doped graphene quantum dots for fluorescent sensors and biosensor. <i>Talanta</i> , <b>2019</b> , 199, 581-589	6.2	63
103	Recent Advances on Graphene Quantum Dots: From Chemistry and Physics to Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808283	24	343
102	Improved adhesion and performance of vertically-aligned mesoporous silica-nanochannel film on reduced graphene oxide for direct electrochemical analysis of human serum. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 288, 133-140	8.5	20
101	Graphene quantum dots decorated graphitic carbon nitride nanorods for photocatalytic removal of antibiotics. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 548, 56-65	9.3	98
100	Facile surface modification of textiles with photocatalytic carbon nitride nanosheets and the excellent performance for self-cleaning and degradation of gaseous formaldehyde. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 533, 144-153	9.3	44
99	Amphiphilic graphene quantum dots as a new class of surfactants. <i>Carbon</i> , <b>2019</b> , 153, 127-135	10.4	28
98	Organic Nanotheranostics for Photoacoustic Imaging-Guided Phototherapy. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 1389-1405	4.3	20
97	Highly stretchable and autonomously healable epidermal sensor based on multi-functional hydrogel frameworks. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5949-5956	13	109
96	Enzymatic Degradation of Graphene Quantum Dots by Human Peroxidases. <i>Small</i> , <b>2019</b> , 15, e1905405	11	28
95	Gram-scale synthesis of nitrogen doped graphene quantum dots for sensitive detection of mercury ions and l-cysteine.. <i>RSC Advances</i> , <b>2019</b> , 9, 32977-32983	3.7	18
94	Biomimetic composite scaffold of hydroxyapatite/gelatin-chitosan core-shell nanofibers for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2019</b> , 97, 325-335	8.3	104
93	Photo-Induced Hydrogel Formation Based on g-C <sub>3</sub> N <sub>4</sub> Nanosheets with Self-Cross-Linked 3D Framework for UV Protection Application. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1800500	3.9	20

92	Synergistic effects of phosphorous/sulfur co-doping and morphological regulation for enhanced photocatalytic performance of graphitic carbon nitride nanosheets. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 1593-1605	4.3	34
91	Aqueous synthesis of amphiphilic graphene quantum dots and their application as surfactants for preparing of fluorescent polymer microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 563, 77-83	5.1	16
90	Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. <i>Nanoscale</i> , <b>2018</b> , 10, 5442-5448	7.7	39
89	Recent progress in the development of near-infrared organic photothermal and photodynamic nanotherapeutics. <i>Biomaterials Science</i> , <b>2018</b> , 6, 746-765	7.4	187
88	Simultaneous label-free and pretreatment-free detection of heavy metal ions in complex samples using electrodes decorated with vertically ordered silica nanochannels. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 364-371	8.5	57
87	Tailoring the Electronic Properties of Graphene Quantum Dots by P Doping and Their Enhanced Performance in Metal-Free Composite Photocatalyst. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 349-358 <sup>3.8</sup>		78
86	S-doped graphene quantum dots as nanophotocatalyst for visible light degradation. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 1698-1701	8.1	38
85	Quasi-homogeneous carbocatalysis for one-pot selective conversion of carbohydrates to 5-hydroxymethylfurfural using sulfonated graphene quantum dots. <i>Carbon</i> , <b>2018</b> , 136, 224-233	10.4	47
84	Graphene quantum dot engineered nickel-cobalt phosphide as highly efficient bifunctional catalyst for overall water splitting. <i>Nano Energy</i> , <b>2018</b> , 48, 284-291	17.1	103
83	Systematic Bandgap Engineering of Graphene Quantum Dots and Applications for Photocatalytic Water Splitting and CO Reduction. <i>ACS Nano</i> , <b>2018</b> , 12, 3523-3532	16.7	222
82	Graphene quantum dots based fluorescence turn-on nanoprobe for highly sensitive and selective imaging of hydrogen sulfide in living cells. <i>Biomaterials Science</i> , <b>2018</b> , 6, 779-784	7.4	33
81	One-step fabrication of novel superhydrophobic and superoleophilic sponge with outstanding absorbency and flame-retardancy for the selective removal of oily organic solvent from water. <i>Applied Surface Science</i> , <b>2018</b> , 428, 338-347	6.7	36
80	Enhanced charge separation ability and visible light photocatalytic performance of graphitic carbon nitride by binary S, B co-doping. <i>Materials Research Bulletin</i> , <b>2018</b> , 107, 477-483	5.1	29
79	Graphene quantum dots-assisted exfoliation of graphitic carbon nitride to prepare metal-free zero-dimensional/two-dimensional composite photocatalysts. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 12103-12114	4.3	32
78	Oxygenic Hybrid Semiconducting Nanoparticles for Enhanced Photodynamic Therapy. <i>Nano Letters</i> , <b>2018</b> , 18, 586-594	11.5	234
77	Nanochannel-Confined Graphene Quantum Dots for Ultrasensitive Electrochemical Analysis of Complex Samples. <i>ACS Nano</i> , <b>2018</b> , 12, 12673-12681	16.7	84
76	Facile preparation of N-doped graphene quantum dots as quick-dry fluorescent ink for anti-counterfeiting. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 17091-17095	3.6	29
75	Highly Efficient Photo-Reduction of p-Nitrophenol by Protonated Graphitic Carbon Nitride Nanosheets. <i>ChemCatChem</i> , <b>2018</b> , 10, 4747-4754	5.2	27

74	An aza-BODIPY photosensitizer for photoacoustic and photothermal imaging guided dual modal cancer phototherapy. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1566-1573	7.3	81
73	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. <i>Small</i> , <b>2017</b> , 13, 1604139	11	63
72	Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700493	15.6	55
71	Facile and scalable preparation of highly luminescent N,S co-doped graphene quantum dots and their application for parallel detection of multiple metal ions. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6593-6600	7.3	78
70	N-doped mesoporous carbon by a hard-template strategy associated with chemical activation and its enhanced supercapacitance performance. <i>Electrochimica Acta</i> , <b>2017</b> , 238, 269-277	6.7	59
69	Activatable Photoacoustic Nanoprobes for In Vivo Ratiometric Imaging of Peroxynitrite. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604764	24	194
68	Spectral and spatial characterization of upconversion luminescent nanocrystals as nanowaveguides. <i>Nanoscale</i> , <b>2017</b> , 9, 9238-9245	7.7	10
67	pH-Triggered and Enhanced Simultaneous Photodynamic and Photothermal Therapy Guided by Photoacoustic and Photothermal Imaging. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 5216-5224	9.6	145
66	Preparation of biomass-activated porous carbons derived from torrea grandis shell for high-performance supercapacitor. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 2241-2249	2.6	23
65	Graphene Quantum Dots Decorated Titania Nanosheets Heterojunction: Efficient Charge Separation and Enhanced Visible-Light Photocatalytic Performance. <i>ChemCatChem</i> , <b>2017</b> , 9, 3349-3357	5.2	32
64	Ionic liquid-capped graphene quantum dots as label-free fluorescent probe for direct detection of ferricyanide. <i>Talanta</i> , <b>2017</b> , 165, 429-435	6.2	21
63	Thermo-driven catalytic degradation of organic dyes by graphitic carbon nitride with hydrogen peroxide. <i>Powder Technology</i> , <b>2017</b> , 308, 114-122	5.2	7
62	Regulating Near-Infrared Photodynamic Properties of Semiconducting Polymer Nanotheranostics for Optimized Cancer Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 8998-9009	16.7	199
61	Preparation of 2D graphitic carbon nitride nanosheets by a green exfoliation approach and the enhanced photocatalytic performance. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 13091-13102	4.3	72
60	Sweet graphene quantum dots for imaging carbohydrate receptors in live cells. <i>FlatChem</i> , <b>2017</b> , 5, 25-32	5.1	38
59	Integrative analyses of transcriptome and transcriptome reveal important translational controls in brown and white adipose regulated by microRNAs. <i>Scientific Reports</i> , <b>2017</b> , 7, 5681	4.9	5
58	Fabrication of metal-free two dimensional/two dimensional homojunction photocatalyst using various carbon nitride nanosheets as building blocks. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 507, 209-216	9.3	42
57	One-step template/chemical blowing route to synthesize flake-like porous carbon nitride photocatalyst. <i>Materials Research Bulletin</i> , <b>2017</b> , 94, 423-427	5.1	22

56	Enhanced electrochemical performance of straw-based porous carbon fibers for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 3449-3458	2.6	13
55	Facile synthesis of sulfur-doped graphene quantum dots as fluorescent sensing probes for Ag <sup>+</sup> ions detection. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 242, 231-237	8.5	154
54	Mussel-inspired fabrication of novel superhydrophobic and superoleophilic sponge modified using a high density of nanoaggregates at low concentration of dopamine. <i>RSC Advances</i> , <b>2016</b> , 6, 71905-71912	3.7	14
53	Synthesis and application of ternary photocatalyst with a gradient band structure from two-dimensional nanosheets as precursors. <i>RSC Advances</i> , <b>2016</b> , 6, 108955-108963	3.7	18
52	The enhanced photocatalytic performance of Z-scheme two-dimensional/two-dimensional heterojunctions from graphitic carbon nitride nanosheets and titania nanosheets. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 478, 263-70	9.3	38
51	Achieving stable and efficient water oxidation by incorporating NiFe layered double hydroxide nanoparticles into aligned carbon nanotubes. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 156-160	10.8	84
50	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 3622-9	16.7	124
49	Quantum dots derived from two-dimensional materials and their applications for catalysis and energy. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2239-62	58.5	311
48	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600102	6.4	35
47	One-pot synthesis of sulfur-doped graphene quantum dots as a novel fluorescent probe for highly selective and sensitive detection of lead(II). <i>RSC Advances</i> , <b>2016</b> , 6, 69977-69983	3.7	72
46	Monitoring Dynamic Cellular Redox Homeostasis Using Fluorescence-Switchable Graphene Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 11475-11482	16.7	56
45	Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. <i>Chemical Science</i> , <b>2016</b> , 7, 5118-5125	9.4	97
44	Nitrogen-rich graphitic carbon nitride: Controllable nanosheet-like morphology, enhanced visible light absorption and superior photocatalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 508, 257-264	5.1	76
43	Hybrid fibers made of molybdenum disulfide, reduced graphene oxide, and multi-walled carbon nanotubes for solid-state, flexible, asymmetric supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 4651-6	16.4	310
42	Nitrogen and phosphorus co-doped graphene quantum dots: synthesis from adenosine triphosphate, optical properties, and cellular imaging. <i>Nanoscale</i> , <b>2015</b> , 7, 8159-65	7.7	149
41	Graphene quantum dots for ultrasensitive detection of acetylcholinesterase and its inhibitors. <i>2D Materials</i> , <b>2015</b> , 2, 034018	5.9	32
40	A reagentless electrochemical immunosensor based on probe immobilization and the layer-by-layer assembly technique for sensitive detection of tumor markers. <i>Analytical Methods</i> , <b>2015</b> , 7, 9655-9662	3.2	8
39	Glowing graphene quantum dots and carbon dots: properties, syntheses, and biological applications. <i>Small</i> , <b>2015</b> , 11, 1620-36	11	1415

38	Three-dimensional electrochemical immunosensor for sensitive detection of carcinoembryonic antigen based on monolithic and macroporous graphene foam. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 65, 281-6	11.8	123
37	Regulatory networks of non-coding RNAs in brown/beige adipogenesis. <i>Bioscience Reports</i> , <b>2015</b> , 35,	4.1	26
36	Facile Synthesis of Graphene Quantum Dots from 3D Graphene and their Application for Fe <sup>3+</sup> Sensing. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3021-3026	15.6	377
35	Graphitic carbon nitride/BiVO <sub>4</sub> heterojunctions: simple hydrothermal synthesis and high photocatalytic performances. <i>RSC Advances</i> , <b>2014</b> , 4, 4187-4193	3.7	87
34	Functionalization of monolithic and porous three-dimensional graphene by one-step chitosan electrodeposition for enzymatic biosensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19997-20002	9.5	80
33	Solvothermal synthesis and enhanced visible light photocatalytic activity of novel graphitic carbon nitride/Bi <sub>2</sub> MoO <sub>6</sub> heterojunctions. <i>Powder Technology</i> , <b>2014</b> , 267, 126-133	5.2	57
32	Graphitic carbon nitride/Cu <sub>2</sub> O heterojunctions: Preparation, characterization, and enhanced photocatalytic activity under visible light. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 212, 1-6	3.3	61
31	SO <sub>3</sub> H-functionalized mesoporous carbon/silica composite with a spherical morphology and its excellent catalytic performance for biodiesel production. <i>Journal of Porous Materials</i> , <b>2013</b> , 20, 1423-1431	14	5
30	Facile fabrication of N-doped TiO <sub>2</sub> nanocatalyst with superior performance under visible light irradiation. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 199, 280-286	3.3	21
29	Hydrothermal synthesis of graphitic carbon nitride-Bi <sub>2</sub> WO <sub>6</sub> heterojunctions with enhanced visible light photocatalytic activities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 7079-85	9.5	400
28	Yellow-colored mesoporous pure titania and its high stability in visible light photocatalysis. <i>Powder Technology</i> , <b>2013</b> , 245, 227-232	5.2	14
27	Magnetically separable porous carbon nanospheres as solid acid catalysts. <i>RSC Advances</i> , <b>2013</b> , 3, 20999	3.7	28
26	Novel C <sub>3</sub> N <sub>4</sub> /CdS composite photocatalysts with organic/inorganic heterojunctions: in situ synthesis, exceptional activity, high stability and photocatalytic mechanism. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3083	13	417
25	Soft-chemical synthesis of mesoporous nitrogen-modified titania with superior photocatalytic performance under visible light irradiation. <i>Chemical Engineering Journal</i> , <b>2013</b> , 219, 155-161	14.7	22
24	Non-enzymatic detection of hydrogen peroxide using a functionalized three-dimensional graphene electrode. <i>Electrochemistry Communications</i> , <b>2013</b> , 26, 81-84	5.1	100
23	Graphene quantum dots as universal fluorophores and their use in revealing regulated trafficking of insulin receptors in adipocytes. <i>ACS Nano</i> , <b>2013</b> , 7, 6278-86	16.7	204
22	Synthesis of mesoporous CdS/titania composites with visible light photocatalytic activities. <i>Materials Letters</i> , <b>2012</b> , 81, 95-98	3.3	18
21	Synthesis of Mn-intercalated layered titanate by exfoliation/flocculation approach and its efficient photocatalytic activity under visible light. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 196, 282-287	3.3	16

20	BiOBr <sub>2</sub> /carbon nitride heterojunctions: synthesis, enhanced activity and photocatalytic mechanism. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21159		341
19	Biological and chemical sensors based on graphene materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 2283-3075	3875	1384
18	A graphene-cobalt oxide based needle electrode for non-enzymatic glucose detection in micro-droplets. <i>Chemical Communications</i> , <b>2012</b> , 48, 6490-2	5.8	145
17	Hybrid nanocomposite with visible-light photocatalytic activity: CdS/pillared titanate. <i>Chemical Engineering Journal</i> , <b>2012</b> , 180, 330-336	14.7	30
16	Ultra-sensitive and wide-dynamic-range sensors based on dense arrays of carbon nanotube tips. <i>Nanoscale</i> , <b>2011</b> , 3, 4854-8	7.7	33
15	The effect of the chitosan membrane properties on the enzyme adsorption and performance for the construction of horseradish peroxidase biosensors. <i>Carbohydrate Polymers</i> , <b>2011</b> , 85, 786-791	10.3	12
14	Discrimination and detection of bacteria with a label-free impedimetric biosensor based on self-assembled lectin monolayer. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 656, 252-257	4.1	34
13	Synthesis and layer-by-layer self-assembly of titania nanosheets controllably doped with binary transition metal ions. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 1285-1291	2.5	2
12	A Simple Layer-by-Layer Assembly Strategy for a Reagentless Biosensor Based on a Nanocomposite of Methylene Blue-Multiwalled Carbon Nanotubes. <i>Electroanalysis</i> , <b>2010</b> , 22, 277-285	3	18
11	Bienzyme bionanomultilayer electrode for glucose biosensing based on functional carbon nanotubes and sugar-lectin biospecific interaction. <i>Analytical Biochemistry</i> , <b>2010</b> , 403, 36-42	3.1	22
10	Selective analysis of reduced thiols with a novel bionanomultilayer biosensor based on the inhibition principle. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 135, 642-649	8.5	9
9	One-step construction of reagentless biosensor based on chitosan-carbon nanotubes-nile blue-horseradish peroxidase biocomposite formed by electrodeposition. <i>Talanta</i> , <b>2009</b> , 78, 1077-82	6.2	41
8	One-step construction of biosensor based on chitosan-ionic liquid-horseradish peroxidase biocomposite formed by electrodeposition. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 29-34	11.8	71
7	Development of a bienzyme system based on sugar-lectin biospecific interactions for amperometric determination of phenols and aromatic amines. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 130, 900-907	8.5	30
6	Uniform bionanomultilayer constructed with soluble multiwall carbon nanotubes and its application as biosensor. <i>Journal of Electroanalytical Chemistry</i> , <b>2008</b> , 623, 135-141	4.1	18
5	Highly sensitive biosensor based on bionanomultilayer with water-soluble multiwall carbon nanotubes for determination of phenolics. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 306-12	11.8	30
4	Novel nylon-supported organic-inorganic hybrid membrane with hierarchical pores as a potential immobilized metal affinity adsorbent. <i>Journal of Chromatography A</i> , <b>2006</b> , 1125, 38-51	4.5	34
3	Preparation of macroporous chitosan layer coated on silica gel and its application to affinity chromatography for trypsin inhibitor purification. <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 682-688	4.6	31



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| 2 | Preparation and characterization of trypsin immobilized on silica gel supported macroporous chitosan bead. <i>Process Biochemistry</i> , <b>2005</b> , 40, 2833-2840                        | 4.8 | 76 |
| 1 | Macroporous chitosan layer coated on non-porous silica gel as a support for metal chelate affinity chromatographic adsorbent. <i>Journal of Chromatography A</i> , <b>2004</b> , 1057, 41-7 | 4.5 | 72 |