Dan Shan

List of Publications by Year in Descending Order

117 papers	4,271 citations	41 h-index	60 g-index
119 ext. papers	4,700 ext. citations	7.1 avg, IF	5.58 L-index

#	Paper	IF	Citations
117	Trialkoxyheptazine-Based Glyconanoparticles for Fluorescence in Aqueous Solutions and on Surfaces via Controlled Binding in Space.. *ACS Macro Letters*, **2022**, 11, 135-139	6.6	0
116	2-Methylimidazole-tuned 4-Self strategy based on benzimidazole-5-carboxylate for boosting oxygen reduction electrocatalysis. *Applied Surface Science*, **2022**, 591, 153066	6.7	0
115	Multi-tailoring of a modified MOF-derived CuO electrochemical transducer for enhanced hydrogen peroxide sensing. *Analyst, The*, **2021**,	5	3
114	Fe-MOGs-based enzyme mimetic and its mediated electrochemiluminescence for in situ detection of HO released from Hela cells. *Biosensors and Bioelectronics*, **2021**, 184, 113216	11.8	11
113	Postmodulation of the Metal-Organic Framework Precursor toward the Vacancy-Rich CuO Transducer for Sensitivity Boost: Synthesis, Catalysis, and HO Sensing. *Analytical Chemistry*, **2021**, 93, 11066-11071	7.8	2
112	High-performance electrochemiluminescence emitter of metal organic framework linked with porphyrin and its application for ultrasensitive detection of biomarker mucin-1. *Sensors and Actuators B: Chemical*, **2021**, 344, 130300	8.5	8
111	The enhanced photoelectrochemical platform constructed by N-doped ZnO nanopolyhedrons and porphyrin for ultrasensitive detection of brain natriuretic peptide. *Analytica Chimica Acta*, **2021**, 1183, 338870	6.6	5
110	Developing a generally applicable electrochemical sensor for detecting macrolides in water with thiophene-based molecularly imprinted polymers. *Water Research*, **2021**, 205, 117670	12.5	1
109	Co2+-coordinated NH2-carbon Quantum Dots Hybrid Precursor for the Rational Synthesis of CoCoOX/CoNC ORR Catalyst. *ChemCatChem*, **2020**, 12, 3082-3087	5.2	4
108	ATMP derived cobalt-metaphosphate complex as highly active catalyst for oxygen reduction reaction. *Journal of Catalysis*, **2020**, 387, 129-137	7.3	16
107	Boosting oxygen reduction catalysis with Fe-N@ZnO codoped highly graphitized carbon derived from N,N?-carbonyldiimidazole-Induced bimetallic coordinated polymer. *Applied Surface Science*, **2020**, 505, 144605	6.7	4
106	Enhanced Electrochemiluminescence of Porphyrin-Based Metal-Organic Frameworks Controlled via Coordination Modulation. *Analytical Chemistry*, **2020**, 92, 1916-1924	7.8	13
105	Postsynthesis Ligand Exchange Induced Porphyrin Hybrid Crystalloid Reconstruction for Self-Enhanced Electrochemiluminescence. *Analytical Chemistry*, **2020**, 92, 15270-15274	7.8	2
104	Self-assembled meso-tetra(4-carboxyphenyl)porphine: Structural modulation using surfactants for enhanced photoelectrochemical properties. *Electrochimica Acta*, **2019**, 299, 560-566	6.7	3
103	Highly stable nitrogen-doped carbon nanotubes derived from carbon dots and metal-organic frameworks toward excellent efficient electrocatalyst for oxygen reduction reaction. *Nano Energy*, **2019**, 63, 103788	17.1	55
102	In situ doped CoCO3/ZIF-67 derived Co-N-C/CoOx catalysts for oxygen reduction reaction. *Applied Surface Science*, **2019**, 481, 313-318	6.7	16
101	Highly reactive N,N?-carbonyldiimidazole-tailored bifunctional electrocatalyst for oxygen reduction and oxygen evolution. *Electrochimica Acta*, **2019**, 307, 375-384	6.7	12

100	ATMP-induced three-dimensional conductive polymer hydrogel scaffold for a novel enhanced solid-state electrochemiluminescence biosensor. *Biosensors and Bioelectronics*, **2019**, 143, 111601	11.8	16
99	Uniform and Easy-To-Prepare Glycopolymer-Brush Interface for Rapid Protein (Anti-)Adhesion Sensing. *ACS Applied Materials & Interfaces*, **2019**, 11, 32366-32372	9.5	11
98	Highly active M2P2O7@NC (M = Co and Zn) for bifunctional electrocatalysts for ORR and HER. *Journal of Catalysis*, **2019**, 377, 20-27	7.3	10
97	Phosphorene defect/edge sites induced ultrafine CoPx doping during one-pot synthesis of ZIF-67: The boosted effect on electrocatalytic oxygen reduction after carbonization. *Applied Surface Science*, **2019**, 475, 67-74	6.7	14
96	Antimicrobial effect of silver nanoparticles (AgNPs) and their mechanism – a mini review. *Micro and Nano Letters*, **2018**, 13, 277-280	0.9	31
95	AgNPs incorporated on deacetylated electrospun cellulose nanofibers and their effect on the antimicrobial activity. *Polymers for Advanced Technologies*, **2018**, 29, 394-400	3.2	25
94	MoS2 quantum dots-combined zirconium-metalloporphyrin frameworks: Synergistic effect on electron transfer and application for bioassay. *Sensors and Actuators B: Chemical*, **2018**, 273, 566-573	8.5	15
93	MoS2 nanoparticles coupled to SnS2 nanosheets: The structural and electronic modulation for synergetic electrocatalytic hydrogen evolution. *Journal of Catalysis*, **2018**, 366, 8-15	7.3	32
92	DNA-Mediated Nanoscale Metal-Organic Frameworks for Ultrasensitive Photoelectrochemical Enzyme-Free Immunoassay. *Analytical Chemistry*, **2018**, 90, 12284-12291	7.8	59
91	Polymerization amplified SPR-DNA assay on noncovalently functionalized graphene. *Biosensors and Bioelectronics*, **2017**, 89, 319-325	11.8	13
90	Br-PADAP embedded in cellulose acetate electrospun nanofibers: Colorimetric sensor strips for visual uranyl recognition. *Journal of Hazardous Materials*, **2017**, 329, 205-210	12.8	40
89	Enhanced Electrochemiluminescence of One-Dimensional Self-Assembled Porphyrin Hexagonal Nanoprisms. *ACS Applied Materials & Interfaces*, **2017**, 9, 20904-20912	9.5	33
88	In situ formed copper nanoparticles templated by TdT-mediated DNA for enhanced SPR sensor-based DNA assay. *Biosensors and Bioelectronics*, **2017**, 97, 1-7	11.8	24
87	Boosting Fiber-Shaped Photodetectors via "Soft" Interfaces. *ACS Applied Materials & Interfaces* , **2017**, 9, 12092-12099	9.5	24
86	Dumbbell-shaped carbon quantum dots/AuNCs nanohybrid as an efficient ratiometric fluorescent probe for sensing cadmium (II) ions and l-ascorbic acid. *Carbon*, **2016**, 96, 1034-1042	10.4	145
85	One-pot synthesis of nitrogen-rich carbon dots decorated graphene oxide as metal-free electrocatalyst for oxygen reduction reaction. *Carbon*, **2016**, 109, 402-410	10.4	79
84	Synthesis and their photocatalytic properties of Ni-doped ZnO hollow microspheres. *Journal of Materials Research*, **2016**, 31, 2317-2328	2.5	18
83	Coaxial electrospinning of polycaprolactone@chitosan: Characterization and silver nanoparticles incorporation for antibacterial activity. *Reactive and Functional Polymers*, **2016**, 107, 87-92	4.6	44

82	Zirconium-Based Porphyrinic Metal-Organic Framework (PCN-222): Enhanced Photoelectrochemical Response and Its Application for Label-Free Phosphoprotein Detection. *Analytical Chemistry*, **2016**, 88, 11207-11212	7.8	106
81	Robust bifunctional buckypapers from carbon nanotubes and polynorbornene copolymers for flexible engineering of enzymatic bioelectrodes. *Carbon*, **2016**, 107, 542-547	10.4	19
80	Cathodic electrochemiluminescence of singlet oxygen induced by the electroactive zinc porphyrin in aqueous media. *Electrochimica Acta*, **2016**, 190, 64-68	6.7	17
79	Zirconium-metalloporphyrin frameworks as a three-in-one platform possessing oxygen nanocage, electron media, and bonding site for electrochemiluminescence protein kinase activity assay. *Nanoscale*, **2016**, 8, 11649-57	7.7	45
78	Cobalt hexacyanoferrate electrodeposited on electrode with the assistance of laponite: The enhanced electrochemical sensing of captopril. *Electrochimica Acta*, **2016**, 198, 32-39	6.7	22
77	Mass effect of redox reactions: A novel mode for surface plasmon resonance-based bioanalysis. *Biosensors and Bioelectronics*, **2015**, 74, 183-9	11.8	5
76	Sequential Electro-Deposition of Highly Stable Cu-Fe Prussian Blue Coordination Polymers at Indium Tin Oxide Electrode: Characterization and the Enhanced Sensing Application. *Journal of the Electrochemical Society*, **2015**, 162, H918-H921	3.9	2
75	Influence of 4-tert-butylpyridine/guanidinium thiocyanate co-additives on band edge shift and recombination of dye-sensitized solar cells: experimental and theoretical aspects. *Electrochimica Acta*, **2015**, 185, 69-75	6.7	16
74	Ferrocyanide-Ferricyanide Redox Couple Induced Electrochemiluminescence Amplification of Carbon Dots for Ultrasensitive Sensing of Glutathione. *Analytical Chemistry*, **2015**, 87, 11150-6	7.8	65
73	Magnetic zirconium hexacyanoferrate(II) nanoparticle as tracing tag for electrochemical DNA assay. *Analytical Chemistry*, **2015**, 87, 9093-100	7.8	39
72	Detection of zinc finger protein (EGR1) based on electrogenerated chemiluminescence from singlet oxygen produced in a nanoclay-supported porphyrin environment. *Analytical Chemistry*, **2015**, 87, 9155-62	7.8	26
71	Ethylenediamine-assisted hydrothermal synthesis of nitrogen-doped carbon quantum dots as fluorescent probes for sensitive biosensing and bioimaging. *Sensors and Actuators B: Chemical*, **2015**, 218, 229-236	8.5	152
70	Ferricyanide confined into the integrative system of pyrrolic surfactant and SWCNTs: The enhanced electrochemial sensing of paracetamol. *Electrochimica Acta*, **2015**, 186, 16-23	6.7	11
69	Pyrocatechol violet-assisted in situ growth of copper nanoparticles on carbon nanotubes: The synergic effect for electrochemical sensing of hydrogen peroxide. *Electrochimica Acta*, **2015**, 155, 78-84	6.7	24
68	Carbon nitride nanosheet-supported porphyrin: a new biomimetic catalyst for highly efficient bioanalysis. *ACS Applied Materials & Interfaces*, **2015**, 7, 543-52	9.5	50
67	Unusual Fe(CN)□/□ capture induced by synergic effect of electropolymeric cationic surfactant and graphene: characterization and biosensing application. *ACS Applied Materials & Interfaces*, **2014**, 6, 21161-6	9.5	3
66	Chronopotentiometric synthesis of quantum dots with efficient surface-derived near-infrared electrochemiluminescence for ultrasensitive microchip-based ion-selective sensing. *RSC Advances*, **2014**, 4, 29239-29248	3.7	10
65	Sensitive electrochemical detection of NADH and ethanol at low potential based on pyrocatechol violet electrodeposited on single walled carbon nanotubes-modified pencil graphite electrode. *Talanta*, **2014**, 130, 96-102	6.2	32

64	Electrochemical studies on the interfacial behaviors for the eco-friendly magnetic nanoparticles based on □-Fe2O3. *Electrochimica Acta*, **2014**, 138, 486-492	6.7	3
63	Ultrasensitive determination of hydrazine using a glassy carbon electrode modified with Pyrocatechol Violet electrodeposited on single walled carbon nanotubes. *Mikrochimica Acta*, **2014**, 181, 813-820	5.8	19
62	Biosensing platform based on graphene oxide via self-assembly induced by synergic interactions. *Analytical Biochemistry*, **2014**, 460, 16-21	3.1	18
61	Flexible metallization of electrospun nanofibers: Dramatically enhanced solid-state electrochemistry and electrochemiluminescence of the immobilized tris(2,2?-bipyridyl)ruthenium(II). *Sensors and Actuators B: Chemical*, **2013**, 181, 159-165	8.5	6
60	Electrogenerated trisbipyridyl Ru(II)-/nitrilotriacetic-polypyrene copolymer for the easy fabrication of label-free photoelectrochemical immunosensor and aptasensor: application to the determination of thrombin and anti-cholera toxin antibody. *Biosensors and Bioelectronics*, **2013**, 42, 556-62	11.8	50
59	Bioinspired polydopamine as the scaffold for the active AuNPs anchoring and the chemical simultaneously reduced graphene oxide: characterization and the enhanced biosensing application. *Biosensors and Bioelectronics*, **2013**, 49, 466-71	11.8	42
58	TiO2 nanocrystals electrochemiluminescence quenching by biological enlarged nanogold particles and its application for biosensing. *Biosensors and Bioelectronics*, **2013**, 39, 342-5	11.8	45
57	Multiwalled Carbon Nanotube-CaCO3 Nanoparticle Composites for the Construction of a Tyrosinase-Based Amperometric Dopamine Biosensor. *Electroanalysis*, **2013**, 25, 613-619	3	23
56	Dramatically enhanced solid-state electrochemiluminescence of CdTe quantum dots composed with TiO2 nanoparticles. *Chemistry - A European Journal*, **2012**, 18, 1595-8	4.8	21
55	Enhanced solid-state electrochemiluminescence of Ru(bpy)32+ immobilized on a laponite gel-state network and its glucose biosensing application. *RSC Advances*, **2012**, 2, 10813	3.7	9
54	Solid-State Electrochemiluminescence of F-doped SnO2 Nanocrystals and Its Sensing Application. *Electroanalysis*, **2012**, 24, 1267-1271	3	12
53	Single-walled carbon nanotubes noncovalently functionalized by ruthenium(II) complex tagged with pyrene: electrochemical and electrogenerated chemiluminescence properties. *Chemistry - A European Journal*, **2012**, 18, 11564-8	4.8	38
52	Solid-State Electrochemistry and Electrochemiluminescence of Porous Thin Film of [(2,2?-Bipyridyl)(4-(2-pyrrol-1-ylethyl)-4?-methyl-2,2?-bipyridyl)2]ruthenium(II) Monomer Precipitation. *Electroanalysis*, **2011**, 23, 1306-1310	3	1
51	A Fast and Direct Amperometric Determination of Hg2+ by a Bienzyme Electrode Based on the Competitive Activities of Glucose Oxidase and Laccase. *Electroanalysis*, **2011**, 23, 1776-1779	3	11
50	Performance-enhanced cholesterol biosensor based on biocomposite system: Layered double hydroxides-chitosan. *Journal of Electroanalytical Chemistry*, **2011**, 659, 1-5	4.1	27
49	Poly(brilliant cresyl blue) electrogenerated on single-walled carbon nanotubes modified electrode and its application in mediated biosensing system. *Sensors and Actuators B: Chemical*, **2011**, 152, 14-20	8.5	18
48	Enhanced solid-state electrochemiluminescence of tris(2,2'-bipyridyl)ruthenium(II) incorporated into electrospun nanofibrous mat. *Analytical Chemistry*, **2010**, 82, 5892-6	7.8	39
47	A promising biosensing-platform based on bismuth oxide polycrystalline-modified electrode: characterization and its application in development of amperometric glucose sensor. *Bioelectrochemistry*, **2010**, 79, 218-22	5.6	32

46	Reagentless biosensor for hydrogen peroxide based on self-assembled films of horseradish peroxidase/laponite/chitosan and the primary investigation on the inhibitory effect by sulfide. *Biosensors and Bioelectronics*, **2010**, 26, 536-41	11.8	43
45	Electrochemistry and electrochemiluminescence for the host–guest system laponite–tris(2,2?-bipyridyl)ruthenium(II). *Electrochemistry Communications*, **2010**, 12, 227-230	5.1	14
44	An easy compartment-less biofuel cell construction based on the physical co-inclusion of enzyme and mediator redox within pressed graphite discs. *Electrochemistry Communications*, **2010**, 12, 266-269	5.1	36
43	Electrogenerated chemiluminescence of poly[(2,2?-bipyridyl)(4-(2-pyrrol-1-ylethyl)-4?-methyl-2,2?-bipyridyl)2]ruthenium (II) film. *Electrochemistry Communications*, **2010**, 12, 905-908	5.1	11
42	Colloidal laponite nanoparticles: extended application in direct electrochemistry of glucose oxidase and reagentless glucose biosensing. *Biosensors and Bioelectronics*, **2010**, 25, 1427-33	11.8	52
41	Electrochromic response and electrochemiluminescence of CdS nanocrystals thin film in aqueous solution. *Electrochemistry Communications*, **2010**, 12, 713-716	5.1	24
40	Electrochemical synthesis and characterization of poly(pyrrole-co-ε-caprolactone) conducting copolymer. *Journal of Applied Polymer Science*, **2009**, 112, 1070-1075	2.9	5
39	Sensitive and selective xanthine amperometric sensors based on calcium carbonate nanoparticles. *Sensors and Actuators B: Chemical*, **2009**, 136, 510-515	8.5	70
38	Bioelectrochemical response of a choline biosensor fabricated by using polyaniline. *Science in China Series B: Chemistry*, **2009**, 52, 2275-2280		2
37	The unmediated choline sensor based on layered double hydroxides in hydrogen peroxide detection mode. *Science in China Series B: Chemistry*, **2009**, 52, 2281-2286		1
36	Xanthine oxidase/laponite nanoparticles immobilized on glassy carbon electrode: direct electron transfer and multielectrocatalysis. *Biosensors and Bioelectronics*, **2009**, 24, 3556-61	11.8	40
35	Direct electrochemistry of hemoglobin in poly(acrylonitrile-co-acrylic acid) and its catalysis to H2O2. *Sensors and Actuators B: Chemical*, **2009**, 137, 259-265	8.5	32
34	Development of a high analytical performance-xanthine biosensor based on layered double hydroxides modified-electrode and investigation of the inhibitory effect by allopurinol. *Biosensors and Bioelectronics*, **2009**, 24, 1171-6	11.8	52
33	Polycrystalline bismuth oxide films for development of amperometric biosensor for phenolic compounds. *Biosensors and Bioelectronics*, **2009**, 24, 3671-6	11.8	41
32	Glucose oxidase immobilized in alginate/layered double hydroxides hybrid membrane and its biosensing application. *Analytical Sciences*, **2009**, 25, 1421-5	1.7	26
31	A highly reversible and sensitive tyrosinase inhibition-based amperometric biosensor for benzoic acid monitoring. *Sensors and Actuators B: Chemical*, **2008**, 134, 1016-1021	8.5	35
30	Development of a high analytical performance amperometric glucose biosensor based on glucose oxidase immobilized in a composite matrix: layered double hydroxides/chitosan. *Bioprocess and Biosystems Engineering*, **2008**, 31, 519-26	3.7	22
29	Amperometric glucose biosensor based on in situ electropolymerized polyaniline/poly(acrylonitrile-co-acrylic acid) composite film. *Materials Science and Engineering C*, **2008**, 28, 213-217	8.3	50

28	Biopolymer-clay nanoparticles composite system (Chitosan-laponite) for electrochemical sensing based on glucose oxidase. *Materials Science and Engineering C*, **2008**, 28, 1372-1375	8.3	44
27	Development of amperometric biosensor for glucose based on a novel attractive enzyme immobilization matrix: calcium carbonate nanoparticles. *Biosensors and Bioelectronics*, **2007**, 22, 1612-7	11.8	132
26	Calcium carbonate nanoparticles: a host matrix for the construction of highly sensitive amperometric phenol biosensor. *Biosensors and Bioelectronics*, **2007**, 23, 648-54	11.8	60
25	Direct electrochemistry and electrocatalysis of hemoglobin entrapped in composite matrix based on chitosan and CaCO3 nanoparticles. *Electrochemistry Communications*, **2007**, 9, 529-534	5.1	119
24	A promising copolymer of aniline and m-aminophenol: Chemical preparation, novel electric properties and characterization. *Polymer*, **2007**, 48, 1269-1275	3.9	45
23	Chemical synthesis and electric properties of the conducting copolymer of aniline and o-aminophenol. *Journal of Polymer Science Part A*, **2007**, 45, 5573-5582	2.5	46
22	Studies on direct electron transfer and biocatalytic properties of hemoglobin in polyacrylonitrile matrix. *Bioelectrochemistry*, **2007**, 71, 198-203	5.6	16
21	Amperometric phenol biosensor based on laponite clay-chitosan nanocomposite matrix. *Biosensors and Bioelectronics*, **2007**, 22, 816-21	11.8	101
20	Electrochemical study of ferrocenemethanol-modified layered double hydroxides composite matrix: application to glucose amperometric biosensor. *Biosensors and Bioelectronics*, **2007**, 23, 432-7	11.8	52
19	Improvement in selectivity and storage stability of a choline biosensor fabricated from poly(aniline-co-o-aminophenol). *Frontiers in Bioscience - Landmark*, **2007**, 12, 783-90	2.8	11
18	Inhibitive detection of benzoic acid using a novel phenols biosensor based on polyaniline-polyacrylonitrile composite matrix. *Talanta*, **2007**, 72, 1767-72	6.2	42
17	Hybrid material based on chitosan and layered double hydroxides: characterization and application to the design of amperometric phenol biosensor. *Biomacromolecules*, **2007**, 8, 971-5	6.9	90
16	Self-assembled films of hemoglobin/laponite/chitosan: application for the direct electrochemistry and catalysis to hydrogen peroxide. *Biomacromolecules*, **2007**, 8, 3041-6	6.9	55
15	Amperometric Detection of Glucose with Glucose Oxidase Immobilized in Layered Double Hydroxides. *Electroanalysis*, **2006**, 18, 1485-1491	3	49
14	A porous poly(acrylonitrile-co-acrylic acid) film-based glucose biosensor constructed by electrochemical entrapment. *Analytical Biochemistry*, **2006**, 356, 215-21	3.1	43
13	Electrochemical copolymerization of aniline with m-aminophenol and novel electrical properties of the copolymer in the wide pH range. *Electrochimica Acta*, **2006**, 51, 4262-4270	6.7	38
12	A rechargeable Zn- poly(aniline-co-m-aminophenol) battery. *Journal of Power Sources*, **2006**, 161, 685-69	3.9	43
11	HRP/[Zn-Cr-ABTS] redox clay-based biosensor: design and optimization for cyanide detection. *Biosensors and Bioelectronics*, **2004**, 20, 390-6	11.8	73

10	Improvement of biosensor performances for nitrate determination using a new hydrophilic poly(pyrrole-viologen) film. *Sensors and Actuators B: Chemical*, **2004**, 103, 397-402	8.5	59
9	Subnanomolar cyanide detection at polyphenol oxidase/clay biosensors. *Analytical Chemistry*, **2004**, 76, 178-83	7.8	282
8	HRP Wiring by Redox Active Layered Double Hydroxides: Application to the Mediated H2O2 Detection. *Analytical Letters*, **2003**, 36, 909-922	2.2	39
7	A New Polyphenol Oxidase Biosensor Mediated by Azure B in Laponite Clay Matrix. *Electroanalysis*, **2003**, 15, 1506-1512	3	47
6	Layered double hydroxides: an attractive material for electrochemical biosensor design. *Analytical Chemistry*, **2003**, 75, 3872-9	7.8	185
5	The electrocatalytic characteristics of polyaniline synthesized in the presence of ferrocenesulfonic acid. *Synthetic Metals*, **2003**, 135-136, 199-200	3.6	11
4	A composite poly azure B□clay□nzyme sensor for the mediated electrochemical determination of phenols. *Journal of Electroanalytical Chemistry*, **2002**, 537, 103-109	4.1	45
3	Electrochemical characteristics of polyaniline synthesized in the presence of ferrocenesulfonic acid. *Synthetic Metals*, **2002**, 126, 225-232	3.6	49
2	Detection of Intermediate During the Electrochemical Polymerization of Azure B and Growth of Poly(azure B) Film. *Electroanalysis*, **2001**, 13, 493-498	3	31
1	Trienzymatic biosensor for the determination of inorganic phosphate. *Analytica Chimica Acta*, **2001**, 443, 1-8	6.6	58