

Danny K Y Wong

List of Publications by Year in descending order

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64
papers

2,231
citations

159585

30
h-index

223800

46
g-index

64
all docs

64
docs citations

64
times ranked

2892
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplified detection signal at a photoelectrochemical aptasensor with a poly(diphenylbutadiene)-BiOBr heterojunction and Au-modified CeO ₂ octahedrons. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113742.	10.1	17
2	Hydrogenating carbon electrodes by n-butylsilane reduction to achieve an antifouling surface for selective dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128881.	7.8	7
3	Surface characteristics of triethylsilane and phenylsilane hydrogenated structurally small carbon electrodes. <i>Diamond and Related Materials</i> , 2021, 114, 108322.	3.9	0
4	Detection signal amplification strategies at nanomaterial-based photoelectrochemical biosensors. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7880-7893.	5.8	61
5	Amplified oxygen reduction signal at a Pt-Sn-modified TiO ₂ nanocomposite on an electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111525.	10.1	17
6	Antifouling characteristics of a carbon electrode surface hydrogenated by n-butylsilane reduction. <i>Electrochimica Acta</i> , 2019, 305, 137-144.	5.2	3
7	A photoelectrochemical aptasensor based on a 3D flower-like TiO ₂ -MoS ₂ -gold nanoparticle heterostructure for detection of kanamycin. <i>Biosensors and Bioelectronics</i> , 2018, 112, 193-201.	10.1	89
8	Improved dye entrapment and liberation performance at electrochemically synthesised polypyrrole-reduced graphene oxide nanocomposite films. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 777-788.	2.9	9
9	Recent Advances in Biosensing for Neurotransmitters and Disease Biomarkers using Microelectrodes. <i>ChemElectroChem</i> , 2017, 4, 822-833.	3.4	27
10	A TiO ₂ nanosheet-g-C ₃ N ₄ composite photoelectrochemical enzyme biosensor excitable by visible irradiation. <i>Analytica Chimica Acta</i> , 2017, 984, 86-95.	5.4	66
11	Strategic Applications of Nanomaterials as Sensing Platforms and Signal Amplification Markers at Electrochemical Immunosensors. <i>Electroanalysis</i> , 2016, 28, 1730-1749.	2.9	44
12	Recent strategies to minimise fouling in electrochemical detection systems. <i>Reviews in Analytical Chemistry</i> , 2016, 35, 1-28.	3.2	195
13	Effective activation of physically small carbon electrodes by n-butylsilane reduction. <i>Electrochemistry Communications</i> , 2016, 64, 35-41.	4.7	6
14	An intimately bonded titanate nanotube-polyaniline-gold nanoparticle ternary composite as a scaffold for electrochemical enzyme biosensors. <i>Analytica Chimica Acta</i> , 2016, 911, 59-68.	5.4	9
15	ENHANCING DIRECT ELECTRON TRANSFER OF GLUCOSE OXIDASE USING A GOLD NANOPARTICLE TITANATE NANOTUBE NANOCOMPOSITE ON A BIOSENSOR. <i>Electrochimica Acta</i> , 2015, 163, 64-70.	5.2	37
16	Kinetic model and thermodynamic study of Acid Red 1 entrapment at electropolymerised polypyrrole films. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 188-194.	9.4	1
17	Evaluation of a carbon nanotube-titanate nanotube nanocomposite as an electrochemical biosensor scaffold. <i>Biosensors and Bioelectronics</i> , 2015, 66, 208-215.	10.1	22
18	Conducting polypyrrole films as a potential tool for electrochemical treatment of azo dyes in textile wastewaters. <i>Journal of Hazardous Materials</i> , 2015, 283, 164-170.	12.4	48

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19	Minimizing Fouling at Hydrogenated Conical-Tip Carbon Electrodes during Dopamine Detection in Vivo. <i>Analytical Chemistry</i> , 2014, 86, 2443-2450.	6.5	37
20	Application of an ELISA-type screen printed electrode-based potentiometric assay to the detection of <i>Cryptosporidium parvum</i> oocysts. <i>Journal of Microbiological Methods</i> , 2013, 95, 182-185.	1.6	16
21	Evaluation of physically small p-phenylacetate-modified carbon electrodes against fouling during dopamine detection in vivo. <i>Electrochimica Acta</i> , 2013, 101, 225-231.	5.2	14
22	Gold Nanoparticle Encapsulated-Tubular TiO ₂ Nanocluster As a Scaffold for Development of Thiolated Enzyme Biosensors. <i>Analytical Chemistry</i> , 2013, 85, 4350-4356.	6.5	50
23	Hydrogen peroxide detection at a horseradish peroxidase biosensor with a Au nanoparticle-dotted titanate nanotube hydrophobic ionic liquid scaffold. <i>Biosensors and Bioelectronics</i> , 2012, 32, 188-194.	10.1	68
24	Detection of estradiol at an electrochemical immunosensor with a Cu UPD DTBP-Protein G scaffold. <i>Biosensors and Bioelectronics</i> , 2012, 35, 56-62.	10.1	31
25	A label-free electrochemical DNA biosensor based on a Zr(IV)-coordinated DNA duplex immobilised on a carbon nanofibre chitosan layer. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2817-2826.	3.7	27
26	Detection of cortisol at a gold nanoparticle Protein G-DTBP-scaffold modified electrochemical immunosensor. <i>Analyst</i> , 2011, 136, 5204.	3.5	24
27	Electrocatalytic detection of phenolic estrogenic compounds at NiTPPS carbon nanotube composite electrodes. <i>Analytica Chimica Acta</i> , 2011, 689, 212-218.	5.4	57
28	Quantum-Dot-Functionalized Poly(styrene-co-acrylic acid) Microbeads: Step-Wise Self-Assembly, Characterization, and Applications for Sub-femtomolar Electrochemical Detection of DNA Hybridization. <i>Advanced Functional Materials</i> , 2010, 20, 1173-1179.	14.9	82
29	Square wave voltammetry versus electrochemical impedance spectroscopy as a rapid detection technique at electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1467-1473.	10.1	91
30	Diffusion-limited chronoamperometry at conical-tip microelectrodes. <i>Electrochimica Acta</i> , 2010, 55, 1272-1277.	5.2	11
31	Picogram-detection of estradiol at an electrochemical immunosensor with a gold nanoparticle Protein G-(LC-SPDP)-scaffold. <i>Talanta</i> , 2009, 77, 1437-1443.	5.5	47
32	Fabrication and characterization of carbon nanotube array electrodes with gold nanoparticle tips. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 208-212.	7.8	34
33	An amperometric immunosensor with a thiolated Protein G scaffold. <i>Electrochemistry Communications</i> , 2008, 10, 1020-1023.	4.7	9
34	Recent developments in electrochemical immunoassays and immunosensors. , 2008, , 115-143.		21
35	Carbon Nanotubes Grown on Stainless Steel to Form Plate and Probe Electrodes for Chemical/Biological Sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 891-897.	0.9	21
36	A Carbon Nanotube Needle Biosensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 2293-2300.	0.9	12

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37	Self-Assembled Layer of Thiolated Protein G as an Immunosensor Scaffold. <i>Analytical Chemistry</i> , 2007, 79, 350-354.	6.5	72
38	Comparative study of thiolated Protein G scaffolds and signal antibody conjugates in the development of electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2007, 23, 633-639.	10.1	19
39	Electrocatalytic detection of estradiol at a carbon nanotube Ni(Cyclam) composite electrode fabricated based on a two-factorial design. <i>Analytica Chimica Acta</i> , 2007, 594, 184-191.	5.4	45
40	A nanotube array immunosensor for direct electrochemical detection of antigen-antibody binding. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 177-182.	7.8	104
41	Evaluation of hydrogenated physically small carbon electrodes in resisting fouling during voltammetric detection of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2007, 128, 299-305.	7.8	37
42	High sensitivity carbon nanotube tower electrodes. <i>Sensors and Actuators B: Chemical</i> , 2006, 120, 298-304.	7.8	57
43	Microscale immunosensors for biological agents. , 2005, 5718, 142.		2
44	Direct application strategy to immobilise a thioctic acid self-assembled monolayer on a gold electrode. <i>Analytica Chimica Acta</i> , 2004, 504, 243-251.	5.4	55
45	An in Vivo Probe Based on Mechanically Strong but Structurally Small Carbon Electrodes with an Appreciable Surface Area. <i>Analytical Chemistry</i> , 2001, 73, 4793-4800.	6.5	43
46	Extraction of mercury and silver into base-acid treated polypyrrole films: A possible pollution control technology. <i>Journal of Polymer Research</i> , 2001, 8, 151-157.	2.4	9
47	Spontaneous release of large packets of noradrenaline from sympathetic nerve terminals in rat mesenteric arteries in vitro. <i>British Journal of Pharmacology</i> , 2000, 131, 1507-1511.	5.4	17
48	Use of Acetylene for the Fabrication of a Glass Capillary Carbon Microelectrode. <i>Electrochemistry</i> , 2000, 68, 924-926.	1.4	4
49	An Indirect Perfluorosulfonated Ionomer-Coated Electrochemical Immunosensor for the Detection of the Protein Human Chorionic Gonadotrophin. <i>Analytical Chemistry</i> , 1999, 71, 4088-4094.	6.5	67
50	Extraction of silver by polypyrrole films upon a base-acid treatment. <i>Analytica Chimica Acta</i> , 1998, 364, 41-51.	5.4	41
51	Investigations of the feasibility of constructing a polypyrrole-mercury/mercury chloride reference electrode. <i>Polymer</i> , 1997, 38, 2561-2565.	3.8	16
52	An electrochemical and spectrophotometric study of some charge-transfer complexes involving drug molecules in acetonitrile. <i>Electroanalysis</i> , 1996, 8, 66-74.	2.9	6
53	Toxic interactions between clozapine and ampicillin. <i>Analytica Chimica Acta</i> , 1996, 319, 353-360.	5.4	3
54	Harmonic impedance spectroscopy. Theory and experimental results for reversible and quasi-reversible redox systems. <i>The Journal of Physical Chemistry</i> , 1995, 99, 2134-2142.	2.9	17

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55	Voltammetric studies of carbon disk electrodes with submicrometer-sized structural diameters. <i>Analytical Chemistry</i> , 1995, 67, 4086-4090.	6.5	44
56	Enantiomeric differentiation of a wide range of pharmacologically active substances by capillary electrophoresis using modified β -cyclodextrins. <i>Journal of Chromatography A</i> , 1994, 686, 293-307.	3.7	66
57	Electrochemical Study of Amiodarone Charge-Transfer Complexes. <i>Analytical Chemistry</i> , 1994, 66, 1198-1203.	6.5	15
58	Intracellular Voltammetry at Ultrasmall Platinum Electrodes. <i>Microchemical Journal</i> , 1993, 47, 308-316.	4.5	12
59	A kinetic model for the dissolution mechanism of copper in acidic sulfate solutions. <i>Electrochimica Acta</i> , 1993, 38, 2121-2127.	5.2	61
60	Electrochemical purification of fluoride melts. <i>Journal of Non-Crystalline Solids</i> , 1992, 140, 297-300.	3.1	9
61	Pulse voltammetry in single cells using platinum microelectrodes. <i>Analytical Chemistry</i> , 1992, 64, 1264-1268.	6.5	33
62	Electrochemical oxidation of 5-hydroxytryptamine and 5-hydroxyindoleacetic acid by integrated pulse linear scan voltammetry at ultrasmall gold ring electrodes. <i>Electroanalysis</i> , 1992, 4, 865-869.	2.9	4
63	Characterization of the voltammetric response at intracellular carbon ring electrodes. <i>Electroanalysis</i> , 1991, 3, 87-95.	2.9	31
64	Anodic stripping voltammetry at mercury films deposited on ultrasmall carbon-ring electrodes. <i>Analytical Chemistry</i> , 1990, 62, 2697-2702.	6.5	32