

# Xianwen Kan

## List of Publications by Year in descending order

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58  
papers

2,245  
citations

201674

27  
h-index

214800

47  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composites of Multiwalled Carbon Nanotubes and Molecularly Imprinted Polymers for Dopamine Recognition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4849-4854.	3.1	223
2	Preparation and Recognition Properties of Bovine Hemoglobin Magnetic Molecularly Imprinted Polymers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3999-4004.	2.6	174
3	Imprinted electrochemical sensor for dopamine recognition and determination based on a carbon nanotube/polypyrrole film. <i>Electrochimica Acta</i> , 2012, 63, 69-75.	5.2	162
4	Molecularly imprinted polymers based electrochemical sensor for bovine hemoglobin recognition. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 395-401.	7.8	111
5	Pyrrole-phenylboronic acid: A novel monomer for dopamine recognition and detection based on imprinted electrochemical sensor. <i>Biosensors and Bioelectronics</i> , 2015, 64, 212-218.	10.1	98
6	Fabrication of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Modified Electrode and Its Application for Voltammetric Sensing of Dopamine. <i>Electroanalysis</i> , 2005, 17, 744-748.	2.9	95
7	Electrochemical sensor for paracetamol recognition and detection based on catalytic and imprinted composite film. <i>Biosensors and Bioelectronics</i> , 2015, 71, 137-142.	10.1	77
8	Magnetic molecularly imprinted polymer for aspirin recognition and controlled release. <i>Nanotechnology</i> , 2009, 20, 165601.	2.6	70
9	Molecular imprinting polymer electrosensor based on gold nanoparticles for theophylline recognition and determination. <i>Mikrochimica Acta</i> , 2010, 171, 423-429.	5.0	70
10	Molecularly imprinted polymers microsphere prepared by precipitation polymerization for hydroquinone recognition. <i>Talanta</i> , 2008, 75, 22-26.	5.5	65
11	A multiporous electrochemical sensor for epinephrine recognition and detection based on molecularly imprinted polypyrrole. <i>RSC Advances</i> , 2012, 2, 7803.	3.6	60
12	Disposable graphite paper based sensor for sensitive simultaneous determination of hydroquinone and catechol. <i>Electrochimica Acta</i> , 2016, 213, 504-511.	5.2	60
13	CD/AuNPs/MWCNTs based electrochemical sensor for quercetin dual-signal detection. <i>Biosensors and Bioelectronics</i> , 2016, 77, 638-643.	10.1	50
14	Voltammetric dopamine sensor based on three-dimensional electrosynthesized molecularly imprinted polymers and polypyrrole nanowires. <i>Mikrochimica Acta</i> , 2017, 184, 2515-2522.	5.0	49
15	Three-dimensional graphite paper based imprinted electrochemical sensor for tertiary butylhydroquinone selective recognition and sensitive detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 520-527.	7.8	47
16	Surface molecularly imprinted polymers-based electrochemical sensor for bovine hemoglobin recognition. <i>Analyst</i> , 2013, 138, 6962.	3.5	43
17	Selective recognition and electrochemical detection of p-nitrophenol based on a macroporous imprinted polymer containing gold nanoparticles. <i>Mikrochimica Acta</i> , 2013, 180, 1461-1469.	5.0	42
18	Conductive imprinted electrochemical sensor for epinephrine sensitive detection and double recognition. <i>Journal of Electroanalytical Chemistry</i> , 2019, 836, 182-189.	3.8	42

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19	Imprinted sol-gel electrochemical sensor for melamine direct recognition and detection. <i>Journal of Electroanalytical Chemistry</i> , 2014, 713, 112-118.	3.8	41
20	Voltammetric determination of paracetamol using a glassy carbon electrode modified with Prussian Blue and a molecularly imprinted polymer, and ratiometric read-out of two signals. <i>Mikrochimica Acta</i> , 2016, 183, 2771-2778.	5.0	38
21	A ratiometric strategy -based electrochemical sensing interface for the sensitive and reliable detection of imidacloprid. <i>Analyst, The</i> , 2018, 143, 2150-2156.	3.5	38
22	Boronic acid based imprinted electrochemical sensor for rutin recognition and detection. <i>Analyst, The</i> , 2016, 141, 5792-5798.	3.5	33
23	Aptamer and molecularly imprinted polymer: Synergistic recognition and sensing of dopamine. <i>Electrochimica Acta</i> , 2021, 367, 137433.	5.2	33
24	A novel electrochemical sensor based on molecularly imprinted polymers for caffeine recognition and detection. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3207-3213.	2.5	32
25	“Sign-on/off” sensing interface design and fabrication for propyl gallate recognition and sensitive detection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 741-747.	10.1	32
26	From non-electroactive to electroactive species: highly selective and sensitive detection based on a dual-template molecularly imprinted polymer electrochemical sensor. <i>Chemical Communications</i> , 2017, 53, 11755-11758.	4.1	31
27	Imprinted propyl gallate electrochemical sensor based on graphene/single walled carbon nanotubes/sol-gel film. <i>Food Chemistry</i> , 2015, 177, 37-42.	8.2	29
28	A novel substitution -sensing for hydroquinone and catechol based on a poly(3-aminophenylboronic) Tj ETQq0 0 0 rggBT /Overlock 10 Tf	3.5	29
29	Dual-recognition colorimetric sensing of thrombin based on surface-imprinted aptamer-Fe <sub>3</sub> O <sub>4</sub> . <i>Journal of Materials Chemistry B</i> , 2021, 9, 4249-4256.	5.8	28
30	Recognition and determination of bovine hemoglobin using a gold electrode modified with gold nanoparticles and molecularly imprinted self-polymerized dopamine. <i>Mikrochimica Acta</i> , 2015, 182, 2477-2483.	5.0	27
31	Simultaneous determination of dihydroxybenzene isomers based on gold dendritic/pEDOT electrochemical sensor. <i>Journal of Electroanalytical Chemistry</i> , 2020, 857, 113741.	3.8	25
32	Carboxylation modified meso-porous carbon aerogel templated by ionic liquid for solid-phase microextraction of trace tetracyclines residues using HPLC with UV detection. <i>Mikrochimica Acta</i> , 2021, 188, 43.	5.0	24
33	Sensitive and selective “signal-off” electrochemiluminescence sensing of prostate-specific antigen based on an aptamer and molecularly imprinted polymer. <i>Analyst, The</i> , 2021, 146, 7693-7701.	3.5	21
34	Multilayer sensing platform: gold nanoparticles/prussian blue decorated graphite paper for NADH and H <sub>2</sub> O <sub>2</sub> detection. <i>Analyst, The</i> , 2018, 143, 5278-5284.	3.5	18
35	A facile nanozyme based catalytic platform for the selective and sensitive detection of thrombin. <i>Microchemical Journal</i> , 2022, 172, 106965.	4.5	18
36	Au-polythionine nanocomposites: a novel mediator for bisphenol A dual-signal assay based on imprinted electrochemical sensor. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3839-3847.	3.7	15

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37	A boronic acid carbon nanodots/poly(thionine) sensing platform for the accurate and reliable detection of NADH. <i>Bioelectrochemistry</i> , 2019, 130, 107344.	4.6	14
38	Reliable detection of <i>o</i> -nitrophenol and <i>p</i> -nitrophenol based on carbon nanotubes covalently functionalized with ferrocene as an inner reference. <i>New Journal of Chemistry</i> , 2019, 43, 10517-10522.	2.8	14
39	Electrochemical chiral recognition of tryptophan enantiomers based on copper-modified $\beta$ -cyclodextrin. <i>Journal of Electroanalytical Chemistry</i> , 2021, 902, 115817.	3.8	14
40	Dual-analyte electrochemical sensor for fructose and alizarin red S specifically sensitive detection based on indicator displacement assay. <i>Electrochimica Acta</i> , 2019, 319, 286-292.	5.2	13
41	Preparation and Application of Imprinted Electrochemical Sensor Based on Dopamine Self-Polymerization. <i>Journal of the Electrochemical Society</i> , 2014, 161, B312-B316.	2.9	12
42	Sandwiched NiO/ $\text{Mo}_2\text{C}/\text{RGO}$ as Improved Electrocatalyst for Hydrogen Evolution Reaction: Solvothermal-Assisted Self-Assembly and Catalytic Mechanism. <i>ChemElectroChem</i> , 2019, 6, 5958-5966.	3.4	12
43	Sensitive and selective detection of glycoprotein based on dual-signal and dual-recognition electrochemical sensing platform. <i>Food Chemistry</i> , 2021, 340, 127944.	8.2	12
44	Specifically triggered dissociation based ratiometric electrochemical sensor for H <sub>2</sub> O <sub>2</sub> measurement in food samples. <i>Food Chemistry</i> , 2022, 387, 132922.	8.2	12
45	Molecular Imprinted Polymer Based Thermo-Sensitive Electrochemical Sensor for Theophylline Recognition. <i>Analytical Letters</i> , 2013, 46, 2180-2188.	1.8	11
46	Core-Shell Molecularly Imprinted Polymer Nanospheres for the Recognition and Determination of Hydroquinone. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2008-2013.	0.9	9
47	Probe and analogue: Double roles of thionine for aloe-emodin selective and sensitive ratiometric detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 247-253.	7.8	9
48	Sensitive detection of butylated hydroxyanisole based on free-standing paper decorated with gold and NiO nanoparticles. <i>Microchemical Journal</i> , 2020, 159, 105511.	4.5	9
49	Cu-THQ metal-organic frameworks: A kind of new inner reference for the reliable detection of dopamine base on ratiometric electrochemical sensing. <i>Microchemical Journal</i> , 2022, 172, 106903.	4.5	9
50	The combination of highly efficient resonance energy transfer in one nanocomposite and ferrocene-quenching for ultrasensitive electrochemiluminescence bioanalysis. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114347.	10.1	9
51	Electrochemistry of Hemoglobin on a Gold Colloid-1,4-Benzenedimethanethiol Modified Electrode and Electrocatalytic Detection of Hydrogen Peroxide. <i>Analytical Letters</i> , 2004, 37, 2911-2924.	1.8	7
52	Imprinted polymer/Fe <sub>3</sub> O <sub>4</sub> micro-particles decorated multi-layer graphite paper: Electrochemical and colorimetric dual-modal sensing interface for aloe-emodin assay. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128672.	7.8	7
53	RuSiO <sub>2</sub> @Ag Core-Shell Nanoparticles for Plasmon Resonance Energy Transfer-Based Electrochemiluminescence Sensing of Glucose and Adenosine Triphosphate. <i>ACS Applied Nano Materials</i> , 2022, 5, 9996-10002.	5.0	6
54	Mimetic peroxidase based on a gold amalgam for the colorimetric sensing of trace mercury(II) in water samples. <i>Analyst</i> , 2022, 147, 2388-2395.	3.5	5

#	ARTICLE	IF	CITATIONS
55	Sol-Gel Imprinted Polymers Based Electrochemical Sensor for Paracetamol Recognition and Detection. Analytical Letters, 2013, 46, 1132-1144.	1.8	4
56	Phosphorus-Doped Carbon Nanocages for Simultaneous Detection of Dopamine and Uric Acid. Journal of Analytical Chemistry, 2018, 73, 978-985.	0.9	4
57	Dual-signal from sandwich structural sensing interface for NADH electrochemical sensitive detection. Journal of Electroanalytical Chemistry, 2020, 873, 114387.	3.8	3
58	Three-dimensional ordered macroporous imprinted polymer for bisphenol A recognition. Analytical Sciences, 0, , .	1.6	0