

Rong-Mei Kong

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76
papers

4,160
citations

35
h-index

64
g-index

77
ext. papers

4,807
ext. citations

6.4
avg. IF

5.96
L-index

#	Paper	IF	Citations
76	Graphene-DNAzyme based biosensor for amplified fluorescence "turn-on" detection of Pb ²⁺ with a high selectivity. <i>Analytical Chemistry</i> , 2011 , 83, 5062-6	7.8	355
75	Self-Standing CoP Nanosheets Array: A Three-Dimensional Bifunctional Catalyst Electrode for Overall Water Splitting in both Neutral and Alkaline Media. <i>ChemElectroChem</i> , 2017 , 4, 1840-1845	4.3	322
74	Recent progress in transition metal phosphides with enhanced electrocatalysis for hydrogen evolution. <i>Nanoscale</i> , 2018 , 10, 21617-21624	7.7	227
73	Al-Doped CoP nanoarray: a durable water-splitting electrocatalyst with superhigh activity. <i>Nanoscale</i> , 2017 , 9, 4793-4800	7.7	200
72	A novel aptamer-functionalized MoS ₂ nanosheet fluorescent biosensor for sensitive detection of prostate specific antigen. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 369-77	4.4	173
71	Highly efficient electrochemical ammonia synthesis via nitrogen reduction reactions on a VN nanowire array under ambient conditions. <i>Chemical Communications</i> , 2018 , 54, 5323-5325	5.8	157
70	Graphene oxide quantum dots@silver core-shell nanocrystals as turn-on fluorescent nanoprobe for ultrasensitive detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 909-14	11.8	125
69	Novel turn-on fluorescent detection of alkaline phosphatase based on green synthesized carbon dots and MnO nanosheets. <i>Talanta</i> , 2017 , 165, 136-142	6.2	124
68	Integrating natural biomass electro-oxidation and hydrogen evolution: using a porous Fe-doped CoP nanosheet array as a bifunctional catalyst. <i>Chemical Communications</i> , 2017 , 53, 5710-5713	5.8	121
67	Copper-Nitride Nanowires Array: An Efficient Dual-Functional Catalyst Electrode for Sensitive and Selective Non-Enzymatic Glucose and Hydrogen Peroxide Sensing. <i>Chemistry - A European Journal</i> , 2017 , 23, 4986-4989	4.8	114
66	A MnCo ₂ S ₄ nanowire array as an earth-abundant electrocatalyst for an efficient oxygen evolution reaction under alkaline conditions. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17211-17215	13	112
65	Ni(OH) ₂ Nanoparticles Embedded in Conductive Microrod Array: An Efficient and Durable Electrocatalyst for Alkaline Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2018 , 8, 651-655	13.1	104
64	NiCoP Nanoarray: A Superior Pseudocapacitor Electrode with High Areal Capacitance. <i>Chemistry - A European Journal</i> , 2017 , 23, 4435-4441	4.8	101
63	Determination of phthalate esters in environmental water by magnetic Zeolitic Imidazolate Framework-8 solid-phase extraction coupled with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015 , 1409, 46-52	4.5	100
62	Ultrasensitive electrochemical immunosensor based on horseradish peroxidase (HRP)-loaded silica-poly(acrylic acid) brushes for protein biomarker detection. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 383-8	11.8	97
61	A Metal-Organic Framework as Selectivity Regulator for Fe and Ascorbic Acid Detection. <i>Analytical Chemistry</i> , 2019 , 91, 12453-12460	7.8	92
60	A CuP-CoP hybrid nanowire array: a superior electrocatalyst for acidic hydrogen evolution reactions. <i>Chemical Communications</i> , 2017 , 53, 12012-12015	5.8	86

59	CrO nanofiber: a high-performance electrocatalyst toward artificial N fixation to NH under ambient conditions. <i>Chemical Communications</i> , 2018 , 54, 12848-12851	5.8	86
58	Energy-efficient electrolytic hydrogen generation using a Cu ₃ P nanoarray as a bifunctional catalyst for hydrazine oxidation and water reduction. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 420-423	6.8	84
57	A cobalt-borate nanosheet array: an efficient and durable non-noble-metal electrocatalyst for water oxidation at near neutral pH. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7305-7308	13	66
56	A Co-MOF nanosheet array as a high-performance electrocatalyst for the oxygen evolution reaction in alkaline electrolytes. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 344-347	6.8	66
55	A Boric Acid-Functionalized Lanthanide Metal-Organic Framework as a Fluorescence "Turn-on" Probe for Selective Monitoring of Hg and CHHg. <i>Analytical Chemistry</i> , 2020 , 92, 3366-3372	7.8	60
54	A label-free electrochemical biosensor for highly sensitive and selective detection of DNA via a dual-amplified strategy. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 442-7	11.8	59
53	Enhanced electrocatalysis for alkaline hydrogen evolution by Mn doping in a NiS nanosheet array. <i>Chemical Communications</i> , 2018 , 54, 10100-10103	5.8	56
52	Hydrazine-assisted electrolytic hydrogen production: CoS ₂ nanoarray as a superior bifunctional electrocatalyst. <i>New Journal of Chemistry</i> , 2017 , 41, 4754-4757	3.6	55
51	Niche nanoparticle-based FRET assay for bleomycin detection via DNA scission. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 76-82	11.8	50
50	Replacing Oxygen Evolution with Hydrazine Oxidation at the Anode for Energy-Saving Electrolytic Hydrogen Production. <i>ChemElectroChem</i> , 2017 , 4, 481-484	4.3	49
49	Core-Shell NiFe-LDH@NiFe-B Nanoarray: In Situ Electrochemical Surface Derivation Preparation toward Efficient Water Oxidation Electrocatalysis in near-Neutral Media. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19502-19506	9.5	44
48	Pyrophosphate-regulated Zn(2+)-dependent DNAzyme activity: an amplified fluorescence sensing strategy for alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 351-5	11.8	43
47	A label-free DNAzyme fluorescence biosensor for amplified detection of Pb(2+)-based on cleavage-induced G-quadruplex formation. <i>Talanta</i> , 2016 , 147, 302-6	6.2	42
46	Facile synthesis of ZnO/CdS@ZIF-8 core-shell nanocomposites and their applications in photocatalytic degradation of organic dyes. <i>RSC Advances</i> , 2017 , 7, 31365-31371	3.7	41
45	Label-free fluorescence turn-on aptasensor for prostate-specific antigen sensing based on aggregation-induced emission-silica nanospheres. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 5757-5765	14.4	40
44	Aptamer based photoelectrochemical determination of tetracycline using a spindle-like ZnO-CdS@Au nanocomposite. <i>Mikrochimica Acta</i> , 2017 , 184, 4367-4374	5.8	40
43	A nickel borate phosphate nanoarray for efficient and durable water oxidation under benign conditions. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 840-844	6.8	38
42	A label-free fluorescence turn-on assay for glutathione detection by using MnO nanosheets assisted aggregation-induced emission-silica nanospheres. <i>Talanta</i> , 2017 , 169, 1-7	6.2	38

41	Enhanced biosensing platform constructed using urchin-like ZnO-Au@CdS microspheres based on the combination of photoelectrochemical and bioetching strategies. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1753-1761	8.5	34
40	Turn-on fluorescence detection of β -glucuronidase using RhB@MOF-5 as an ultrasensitive nanoprobe. <i>Sensors and Actuators B: Chemical</i> , 2019 , 295, 1-6	8.5	33
39	Self-assembled gold nanoclusters for fluorescence turn-on and colorimetric dual-readout detection of alkaline phosphatase activity via DCIP-mediated fluorescence resonance energy transfer. <i>Talanta</i> , 2019 , 194, 55-62	6.2	32
38	A versatile DNA detection scheme based on the quenching of fluorescent silver nanoclusters by MoS ₂ nanosheets: Application to aptamer-based determination of hepatitis B virus and of dopamine. <i>Mikrochimica Acta</i> , 2017 , 184, 4417-4424	5.8	30
37	The role of l-histidine as molecular tongs: a strategy of grasping Tb using ZIF-8 to design sensors for monitoring an anthrax biomarker on-the-spot. <i>Chemical Science</i> , 2020 , 11, 2407-2413	9.4	30
36	Detection of glutathione based on MnO nanosheet-gated mesoporous silica nanoparticles and target induced release of glucose measured with a portable glucose meter. <i>Mikrochimica Acta</i> , 2017 , 185, 44	5.8	27
35	Tungsten disulfide nanosheet and exonuclease III co-assisted amplification strategy for highly sensitive fluorescence polarization detection of DNA glycosylase activity. <i>Analytica Chimica Acta</i> , 2015 , 887, 216-223	6.6	25
34	Studies on the interaction of apigenin with calf thymus DNA by spectroscopic methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt C, 1666-70	4.4	25
33	Uricase based fluorometric determination of uric acid based on the use of graphene quantum dot@silver core-shell nanocomposites. <i>Mikrochimica Acta</i> , 2017 , 185, 63	5.8	23
32	A superquenched DNAzyme-erythrosine complex: a convenient, universal and low-background strategy for fluorescence catalytic biosensors. <i>Chemical Communications</i> , 2013 , 49, 6644-6	5.8	23
31	Cascade enzymatic catalysis in poly(acrylic acid) brushes-nanospherical silica for glucose detection. <i>Talanta</i> , 2016 , 155, 265-71	6.2	22
30	Fe(TCNQ) ₂ Nanorod Array: A Conductive Non-Noble-Metal Electrocatalyst toward Water Oxidation in Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1545-1549	8.3	21
29	Molecular beacon-templated silver nanoclusters as a fluorescent probe for determination of bleomycin via DNA scission. <i>Mikrochimica Acta</i> , 2018 , 185, 403	5.8	18
28	A G-triplex based molecular beacon for label-free fluorescence "turn-on" detection of bleomycin. <i>Analyst, The</i> , 2018 , 143, 5474-5480	5	17
27	Colorimetric detection of Hg(II) based on the gold amalgam-triggered reductase mimetic activity in aqueous solution by employing AuNP@MOF nanoparticles. <i>Analyst, The</i> , 2020 , 145, 1362-1367	5	15
26	In-situ synthesis of 3D CuO@Cu-based MOF nanobelt arrays with improved conductivity for sensitive photoelectrochemical detection of vascular endothelial growth factor 165. <i>Biosensors and Bioelectronics</i> , 2020 , 167, 112481	11.8	15
25	Fluorescent and colorimetric determination of glutathione based on the inner filter effect between silica nanoparticle-gold nanocluster nanocomposites and oxidized 3,3',5,5'-tetramethylbenzidine. <i>Analyst, The</i> , 2020 , 145, 6254-6261	5	15
24	o-Phenylenediamine/gold nanocluster-based nanoplatfor for ratiometric fluorescence detection of alkaline phosphatase activity. <i>Talanta</i> , 2020 , 212, 120768	6.2	14

23	Ultra-sensitive label-free electrochemical detection of the acute leukaemia gene Pax-5a based on enzyme-assisted cycle amplification. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111593	11.8	14
22	A highly water-soluble, sensitive, coumarin-based fluorescent probe for detecting thiols, and its application in bioimaging. <i>New Journal of Chemistry</i> , 2017 , 41, 15277-15282	3.6	14
21	A tunable pH-sensing system based on Ag nanoclusters capped by hyperbranched polyethyleneimine with different molecular weights. <i>Talanta</i> , 2016 , 146, 549-55	6.2	13
20	Sensitive fluorescence detection of heparin based on self-assembly of mesoporous silica nanoparticle-gold nanoclusters with emission enhancement characteristics. <i>Analyst, The</i> , 2018 , 143, 5388-5394 ¹³	5.3	13
19	An amplified fluorescence detection of T4 polynucleotide kinase activity based on coupled exonuclease III reaction and a graphene oxide platform. <i>Analyst, The</i> , 2015 , 140, 1827-31	5	12
18	Sensitive fluorescence turn-on detection of bleomycin based on a superquenched perylene-DNA complex. <i>RSC Advances</i> , 2015 , 5, 86849-86854	3.7	12
17	Photoelectrochemical determination of trypsin by using an indium tin oxide electrode modified with a composite prepared from MoS nanosheets and TiO nanorods. <i>Mikrochimica Acta</i> , 2019 , 186, 490	5.8	12
16	Simple and fast determination of catecholamines in pharmaceutical samples using Ag+β,3,5,5'-tetramethylbenzidine as a colorimetric probe. <i>Analytical Methods</i> , 2015 , 7, 6785-6790	3.2	10
15	A carbon dot doped lanthanide coordination polymer nanocomposite as the ratiometric fluorescent probe for the sensitive detection of alkaline phosphatase activity. <i>Analyst, The</i> , 2021 , 146, 2862-2870	5	10
14	Luminescent metal organic frameworks with recognition sites for detection of hypochlorite through energy transfer. <i>Mikrochimica Acta</i> , 2019 , 186, 740	5.8	9
13	Hg-mediated stabilization of G-triplex based molecular beacon for label-free fluorescence detection of Hg, reduced glutathione, and glutathione reductase activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117855	4.4	9
12	Naphthalimide Derivative-Functionalized Metal-Organic Framework for Highly Sensitive and Selective Determination of Aldehyde by Space Confinement-Induced Sensitivity Enhancement Effect. <i>Analytical Chemistry</i> , 2021 , 93, 8219-8227	7.8	7
11	Convenient and sensitive colorimetric detection of melamine in dairy products based on Cu(ii)-HO-3,3',5,5'-tetramethylbenzidine system.. <i>RSC Advances</i> , 2018 , 8, 34877-34882	3.7	7
10	A label-free and fluorescence turn-on assay for sensitive detection of hyaluronidase based on hyaluronan-induced perylene self-assembly. <i>New Journal of Chemistry</i> , 2019 , 43, 3383-3389	3.6	6
9	Microfiber polarization modulation in response to protein induced self-assembly of functionalized magnetic nanoparticles. <i>Applied Physics Letters</i> , 2018 , 113, 033702	3.4	6
8	A label-free G-quadruplex-based fluorescence assay for sensitive detection of alkaline phosphatase with the assistance of Cu. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 227, 117607	4.4	6
7	A novel ratiometric fluorescence nanoprobe for sensitive determination of uric acid based on CD@ZIF-CuNC nanocomposites. <i>Mikrochimica Acta</i> , 2021 , 188, 259	5.8	5
6	Optimization of Release Conditions for Acetylated Amino Sugars from Glycoprotein with the Aid of Experimental Design and Their Sensitive Determination with HPLC. <i>Chromatographia</i> , 2017 , 80, 861-872 ^{2.1}	2.1	3

5	Facile synthesis of branched Au nanocrystals with sub-10-nm arms and their applications for ethanol oxidation reaction. <i>Journal of Nanoparticle Research</i> , 2021 , 23, 1	2.3	2
4	A novel Cd-MOF with enhanced thermo-sensitivity: the rational design, synthesis and multipurpose applications. <i>Inorganic Chemistry Frontiers</i> ,	6.8	2
3	Long-wavelength emission carbon dots as self-ratiometric fluorescent nanoprobe for sensitive determination of Zn.. <i>Mikrochimica Acta</i> , 2022 , 189, 55	5.8	1
2	A Cell-Anchored and Self-Calibrated DNA Nanoplatform for in situ Imaging and Quantification of Endogenous miRNA in Live Cells: Introducing Two Controls to Normalize the Sensing Signals. <i>CCS Chemistry</i> ,1-31	7.2	0
1	Combination of pipette tip solid phase extraction and high performance liquid chromatography for determination of plant growth regulators in food samples based on the electrospun covalent organic framework/polyacrylonitrile nanofiber as highly efficient sorbent. <i>Journal of Chromatography A</i> , 2021 , 1661, 462692	4.5	0