

Qing Kang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2178896/publications.pdf>

Version: 2024-02-01

47
papers

4,189
citations

201385

27
h-index

214527

47
g-index

48
all docs

48
docs citations

48
times ranked

7023
citing authors

#	ARTICLE	IF	CITATIONS
1	Ratiometric fluorescence immunoassay based on MnO ₂ @ <i>o</i> -phenylenediamine fluorescent carbon nanodots for the detection of α -fetoprotein via fluorescence resonance energy transfer. <i>New Journal of Chemistry</i> , 2022, 46, 1120-1126.	1.4	10
2	Regenerable and high-throughput surface plasmon resonance assay for rapid screening of anti-SARS-CoV-2 antibody in serum samples. <i>Analytica Chimica Acta</i> , 2022, 1208, 339830.	2.6	12
3	Serpentine Ni ₃ Ge ₂ O ₅ (OH) ₄ Nanosheets Grow on Porous Mo ₂ N for an Efficient Oxygen Evolution Reaction. <i>Energy & Fuels</i> , 2022, 36, 11467-11476.	2.5	4
4	Zinc-Based Materials for Photoelectrochemical Reduction of Carbon Dioxide. <i>Energy & Fuels</i> , 2022, 36, 11380-11393.	2.5	11
5	Click Preparation of Triazole-Bridged Aggregation-Induced Emission Aromatic Acid Probe for the Selective Determination of Aluminium Ion. <i>Analytical Letters</i> , 2021, 54, 481-491.	1.0	2
6	Preferential Adsorption of Hydroxide Ions onto Partially Crystalline NiFe-Layered Double Hydroxides Leads to Efficient and Selective OER in Alkaline Seawater. <i>ACS Applied Energy Materials</i> , 2021, 4, 4630-4637.	2.5	67
7	Interference-free photoelectrochemical immunoassays using carboxymethylated dextran-coated and gold-modified TiO ₂ nanotube arrays. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4847-4854.	1.9	4
8	Rapid and regenerable surface plasmon resonance determinations of biomarker concentration and biomolecular interaction based on tris-nitritoltriacetic acid chips. <i>Analytica Chimica Acta</i> , 2021, 1170, 338625.	2.6	10
9	Photo-irradiation tunes highly active sites over γ -Ni(OH) ₂ nanosheets for the electrocatalytic oxygen evolution reaction. <i>Chemical Communications</i> , 2021, 57, 9060-9063.	2.2	12
10	Effects of doping methods and dopant sizes on the performance of solar cells constructed with anchor-guided photoelectrochemical polymerization of thiophene. <i>Electrochimica Acta</i> , 2020, 330, 135250.	2.6	5
11	A dual-modal colorimetric and photothermal assay for glutathione based on MnO ₂ nanosheets synthesized with eco-friendly materials. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8443-8450.	1.9	8
12	Electrocatalytic oxygen and hydrogen evolution reactions at Ni ₃ B/Fe ₂ O ₃ nanotube arrays under visible light radiation. <i>Catalysis Science and Technology</i> , 2020, 10, 8305-8313.	2.1	2
13	Bi, Fe, and Ti ternary co-doped ZrO ₂ nanocomposites as a mass spectrometry matrix for the determination of bisphenol A and tetrabromobisphenol A in tea. <i>Mikrochimica Acta</i> , 2020, 187, 582.	2.5	7
14	Boron enhances oxygen evolution reaction activity over Ni foam-supported iron boride nanowires. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13638-13645.	5.2	61
15	Immunoassay for Cardiac Troponin I with Fluorescent Signal Amplification by Hydrolyzed Coumarin Released from a Metal-Organic Framework. <i>ACS Applied Nano Materials</i> , 2019, 2, 7170-7177.	2.4	27
16	Solar Cells Constructed with Polythiophene Thin Films Grown along Tethered Thiophene-Dye Conjugates via Photoelectrochemical Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18755-18762.	4.0	16
17	Study of cobalt boride-derived electrocatalysts for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6076-6087.	3.8	86
18	Dual-Mode Electrochemical Immunoassay for Insulin Based on Cu ₇ S ₄ @Au as a Double Signal Indicator. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38791-38798.	4.0	46

#	ARTICLE	IF	CITATIONS
19	Ultrasensitive Photoelectrochemical Biosensing Platform for Detecting N-Terminal Pro-brain Natriuretic Peptide Based on SnO ₂ /SnS ₂ /mpg-C ₃ N ₄ Amplified by PbS/SiO ₂ . ACS Applied Materials & Interfaces, 2018, 10, 31080-31087.	4.0	40
20	Kinetics of catalytic decomposition of hydrous hydrazine over CeO ₂ -supported bimetallic Ni-Pt nanocatalysts. International Journal of Hydrogen Energy, 2017, 42, 5684-5693.	3.8	34
21	Effect of Interlayer Spacing on the Activity of Layered Manganese Oxide Bilayer Catalysts for the Oxygen Evolution Reaction. Journal of the American Chemical Society, 2017, 139, 1863-1870.	6.6	144
22	Cobalt nickel boride as an active electrocatalyst for water splitting. Journal of Materials Chemistry A, 2017, 5, 12379-12384.	5.2	214
23	Redox properties of birnessite from a defect perspective. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9523-9528.	3.3	50
24	Cobalt-Tungsten-Boron as an Active Electrocatalyst for Water Electrolysis. ChemistrySelect, 2017, 2, 6187-6193.	0.7	33
25	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. Angewandte Chemie, 2016, 128, 10537-10541.	1.6	28
26	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. Angewandte Chemie - International Edition, 2016, 55, 10381-10385.	7.2	112
27	In situ synthesis of ordered mesoporous Co-doped TiO ₂ and its enhanced photocatalytic activity and selectivity for the reduction of CO ₂ . Journal of Materials Chemistry A, 2015, 3, 9491-9501.	5.2	155
28	Highly efficient and stable photocatalytic reduction of CO ₂ to CH ₄ over Ru loaded NaTaO ₃ . Chemical Communications, 2015, 51, 7645-7648.	2.2	81
29	Copper-Intercalated Birnessite as a Water Oxidation Catalyst. Langmuir, 2015, 31, 12807-12813.	1.6	69
30	Photocatalytic Reduction of Carbon Dioxide by Hydrous Hydrazine over Au-Cu Alloy Nanoparticles Supported on SrTiO ₃ /TiO ₂ Coaxial Nanotube Arrays. Angewandte Chemie - International Edition, 2015, 54, 841-845.	7.2	223
31	Efficient photochemical oxygen generation from water by phosphorus-doped H ₂ MoO ₅ . Chemical Communications, 2014, 50, 12185-12188.	2.2	4
32	Plasmonic Janus-Composite Photocatalyst Comprising Au and Ca-TiO ₂ for Enhanced Aerobic Oxidation over a Broad Visible-Light Range. Advanced Functional Materials, 2014, 24, 7754-7762.	7.8	83
33	MoS ₂ /Graphene Cocatalyst for Efficient Photocatalytic H ₂ Evolution under Visible Light Irradiation. ACS Nano, 2014, 8, 7078-7087.	7.3	885
34	Reduced TiO ₂ nanotube arrays for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2013, 1, 5766.	5.2	507
35	Fabrication of Zn-Cd-Se Nanocrystal-Sensitized TiO ₂ Nanotube Arrays and Their Photoelectrochemical Properties. Journal of Physical Chemistry C, 2012, 116, 16885-16892.	1.5	19
36	In Situ ATR-FTIR and UV-Visible Spectroscopy Study of Photocatalytic Oxidation of Ethanol over TiO ₂ Nanotubes. Analytical Letters, 2011, 44, 1114-1125.	1.0	9

#	ARTICLE	IF	CITATIONS
37	A photoelectrochemical immunosensor for benzo[a]pyrene detection amplified by bifunctional gold nanoparticles. <i>Chemical Communications</i> , 2011, 47, 12509.	2.2	42
38	The Photoelectric Performances of TiO ₂ Nanotube Arrays-Sensitized with Organometallic Complexes. <i>Analytical Letters</i> , 2011, 44, 1371-1380.	1.0	4
39	Fabrication of PbS Nanoparticle-Sensitized TiO ₂ Nanotube Arrays and Their Photoelectrochemical Properties. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 746-749.	4.0	161
40	A ternary hybrid CdS/Pt@TiO ₂ nanotube structure for photoelectrocatalytic bactericidal effects on Escherichia Coli. <i>Biomaterials</i> , 2010, 31, 3317-3326.	5.7	121
41	High Efficient Photocatalytic Degradation of p-Nitrophenol on a Unique Cu ₂ O/TiO ₂ p-n Heterojunction Network Catalyst. <i>Environmental Science & Technology</i> , 2010, 44, 7641-7646.	4.6	448
42	Photoelectrochemical detection of pentachlorophenol with a Multiple Hybrid CdSe@Te ¹⁺ /TiO ₂ Nanotube Structure-Based Label-Free Immunosensor. <i>Analytical Chemistry</i> , 2010, 82, 9749-9754.	3.2	168
43	Electrochemiluminescence of luminol on Ti/TiO ₂ NT electrode and its application for pentachlorophenol detection. <i>Analyst</i> , 2010, 135, 2806.	1.7	19
44	The effect of magnetic field on the catalytic graphitization of phenolic resin in the presence of Fe@Ni. <i>Carbon</i> , 2009, 47, 3233-3237.	5.4	28
45	An electro-catalytic biosensor fabricated with Pt@Au nanoparticle-decorated titania nanotube array. <i>Bioelectrochemistry</i> , 2008, 74, 62-65.	2.4	106
46	Study on the Electrodeposition of Hydroxides in Hydrated Perchlorate + Organic Solvent Systems Using EQCM. <i>Acta Physico-chimica Sinica</i> , 2006, 22, 1361-1366.	0.6	0
47	Electrochemical quartz crystal impedance study on the electrodeposition of LiOH onto a gold electrode in acetonitrile containing LiClO ₄ ·3H ₂ O and its application in preparing a Pt-plated porous polypyrrole thin film for the catalytic electrooxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 74-84.	1.9	11