

# Guo-Hai Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

5,769  
citations

156536

32  
h-index

150775

59  
g-index

60  
all docs

60  
docs citations

60  
times ranked

10763  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen and boron co-doped graphene nanoribbons as peroxidase-mimicking nanozymes for enhanced biosensing. <i>Chinese Chemical Letters</i> , 2022, 33, 344-348.	4.8	14
2	Nanozyme-catalyzed cascade reactions for high-sensitive glucose sensing and efficient bacterial killing. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131156.	4.0	13
3	Fluorescence and surface-enhanced Raman scattering dual-mode nanoprobe for monitoring telomerase activity in living cells. <i>Microchemical Journal</i> , 2022, 175, 107171.	2.3	11
4	Highly sensitive SERS substrates with multi-hot spots for on-site detection of pesticide residues. <i>Food Chemistry</i> , 2022, 381, 132208.	4.2	47
5	Reusable ring-like Fe <sub>3</sub> O <sub>4</sub> /Au nanozymes with enhanced peroxidase-like activities for colorimetric-SERS dual-mode sensing of biomolecules in human blood. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114253.	5.3	58
6	Esterified-sawdust decorated with AgNPs as solid-phase extraction membranes for enrichment and high-sensitivity detection of polychlorinated biphenyls. <i>Chemosphere</i> , 2022, 298, 134266.	4.2	3
7	Rapid and non-invasive surface-enhanced Raman spectroscopy (SERS) detection of chlorpyrifos in fruits using disposable paper-based substrates charged with gold nanoparticle/halloysite nanotube composites. <i>Mikrochimica Acta</i> , 2022, 189, 197.	2.5	7
8	Fabrication of Ag@Fe <sub>2</sub> O <sub>3</sub> hybrid materials as ultrasensitive SERS substrates for the detection of organic dyes and bilirubin in human blood. <i>Microchemical Journal</i> , 2021, 161, 105799.	2.3	23
9	Recent advances in graphene nanoribbons for biosensing and biomedicine. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6129-6143.	2.9	19
10	Sensitive label-free detection of bilirubin in blood using boron nitride-modified nanorod arrays as SERS substrates. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129634.	4.0	17
11	Combined Paper Centrifugal Chromatographic Separation and SERS Detection for Multicomponent Substances. <i>Analytical Chemistry</i> , 2021, 93, 8693-8697.	3.2	11
12	Highly efficient removal of organic pollutants from wastewater using a recyclable graphene oxide membrane intercalated with g-C <sub>3</sub> N <sub>4</sub> @TiO <sub>2</sub> -nanowires. <i>Journal of Molecular Liquids</i> , 2021, 337, 116461.	2.3	11
13	Ultrasensitive SERS detection of exhaled biomarkers of lung cancer using a multifunctional solid phase extraction membrane. <i>Nanoscale</i> , 2021, 13, 13344-13352.	2.8	31
14	An overview and outlook on gas adsorption: for the enrichment of low concentration coalbed methane. <i>Separation Science and Technology</i> , 2020, 55, 1102-1114.	1.3	17
15	Sensitive detection of telomerase activity in cells using a DNA-based fluorescence resonance energy transfer nanoprobe. <i>Analytica Chimica Acta</i> , 2020, 1098, 133-139.	2.6	16
16	A disposable paper-based hydrophobic substrate for highly sensitive surface-enhanced Raman scattering detection. <i>Talanta</i> , 2020, 220, 121340.	2.9	11
17	Two-dimensional MXene modified AgNRs as a surface-enhanced Raman scattering substrate for sensitive determination of polychlorinated biphenyls. <i>Analyst</i> , The, 2020, 145, 7421-7428.	1.7	25
18	Fabrication of paper-based SERS substrates by spraying silver and gold nanoparticles for SERS determination of malachite green, methylene blue, and crystal violet in fish. <i>Mikrochimica Acta</i> , 2020, 187, 310.	2.5	58

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19	A Sm-MOF/GO nanocomposite membrane for efficient organic dye removal from wastewater. RSC Advances, 2020, 10, 8540-8547.	1.7	53
20	Convenient synthesis of TiO <sub>2</sub> nanowires with anatase phase for high photocatalytic activity. Materials Express, 2020, 10, 537-542.	0.2	5
21	Recyclable three-dimensional Ag nanorod arrays decorated with O-g-C <sub>3</sub> N <sub>4</sub> for highly sensitive SERS sensing of organic pollutants. Journal of Hazardous Materials, 2019, 379, 120823.	6.5	47
22	A Novel Nanocomposite Membrane Combining BN Nanosheets and GO for Effective Removal of Antibiotic in Water. Nanomaterials, 2019, 9, 386.	1.9	20
23	Fluorescence-SERS dual-signal probes for pH sensing in live cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 289-295.	2.3	13
24	Embedding platinum-based nanoparticles within ordered mesoporous carbon using supercritical carbon dioxide technique as a highly efficient oxygen reduction electrocatalyst. Journal of Alloys and Compounds, 2018, 741, 580-589.	2.8	9
25	Flame retardance of modified graphene to pure cotton fabric. Journal of Fire Sciences, 2018, 36, 111-128.	0.9	16
26	Facile fabrication of ternary TiO <sub>2</sub> -gold nanoparticle-graphene oxide nanocomposites for recyclable surface enhanced Raman scattering. Talanta, 2018, 186, 265-271.	2.9	21
27	Recyclable Visible Light-Driven O-g-C <sub>3</sub> N <sub>4</sub> /Graphene Oxide/N-Carbon Nanotube Membrane for Efficient Removal of Organic Pollutants. ACS Applied Materials & Interfaces, 2018, 10, 42427-42435.	4.0	65
28	Thin layer chromatography combined with surface-enhanced raman spectroscopy for rapid sensing aflatoxins. Journal of Chromatography A, 2018, 1579, 115-120.	1.8	72
29	Highly reproducible solid-phase extraction membrane for removal and surface-enhanced Raman scattering detection of antibiotics. Journal of Materials Science, 2018, 53, 14989-14997.	1.7	18
30	Removal of Antibiotics From Water with an All-Carbon 3D Nanofiltration Membrane. Nanoscale Research Letters, 2018, 13, 146.	3.1	29
31	Effective Removal of Tetracycline Antibiotics from Water using Hybrid Carbon Membranes. Scientific Reports, 2017, 7, 43717.	1.6	76
32	Functionalization of Graphene and Applications of the Derivatives. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1129-1141.	1.9	51
33	Development of a paper-based, inexpensive, and disposable electrochemical sensing platform for nitrite detection. Electrochemistry Communications, 2017, 81, 74-78.	2.3	106
34	Novel titanium dioxide-“graphene”-activated carbon ternary nanocomposites with enhanced photocatalytic performance in rhodamine B and tetracycline hydrochloride degradation. Journal of Materials Science, 2017, 52, 8311-8320.	1.7	36
35	Fluorescence-surface enhanced Raman scattering dual-mode nanosensors to monitor hydroxyl radicals in living cells. Sensors and Actuators B: Chemical, 2017, 251, 934-941.	4.0	20
36	Highly Reproducible Ag NPs/CNT-Intercalated GO Membranes for Enrichment and SERS Detection of Antibiotics. ACS Applied Materials & Interfaces, 2016, 8, 28180-28186.	4.0	85

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37	Ultrasonic-assisted synthesis of Pd@Pt/carbon nanotubes nanocomposites for enhanced electro-oxidation of ethanol and methanol in alkaline medium. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 192-198.	3.8	78
38	Ultrasonic-assisted synthesis of carbon nanotube supported bimetallic Pt@Ru nanoparticles for effective methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8459-8465.	5.2	63
39	Graphene-like two-dimensional layered nanomaterials: applications in biosensors and nanomedicine. <i>Nanoscale</i> , 2015, 7, 14217-14231.	2.8	227
40	One-pot synthesis of B-doped three-dimensional reduced graphene oxide via supercritical fluid for oxygen reduction reaction. <i>Green Chemistry</i> , 2015, 17, 3552-3560.	4.6	105
41	Ultrasonic enhanced synthesis of multi-walled carbon nanotube supported Pt@Co bimetallic nanoparticles as catalysts for the oxygen reduction reaction. <i>RSC Advances</i> , 2015, 5, 32685-32689.	1.7	17
42	Metal-organic framework derived hierarchically porous nitrogen-doped carbon nanostructures as novel electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2015, 178, 287-293.	2.6	50
43	Electrochemical Sensors and Biosensors Based on Nanomaterials and Nanostructures. <i>Analytical Chemistry</i> , 2015, 87, 230-249.	3.2	1,220
44	A magnetic electrochemical immunosensor for the detection of phosphorylated p53 based on enzyme functionalized carbon nanospheres with signal amplification. <i>RSC Advances</i> , 2014, 4, 54066-54071.	1.7	13
45	Highly selective formation of benzene upon toluene transformation on CsY zeolite. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 113, 605-614.	0.8	1
46	One-step simple sonochemical fabrication and photocatalytic properties of Cu <sub>2</sub> O@rGO composites. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 129-135.	3.8	87
47	Sonochemical fabrication of gold nanoparticles@boron nitride sheets nanocomposites for enzymeless hydrogen peroxide detection. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1958-1963.	3.8	36
48	Microwave-assisted synthesis of highly luminescent AgInS <sub>2</sub> /ZnS nanocrystals for dynamic intracellular Cu(II) detection. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4160.	2.9	78
49	Aqueous Synthesis of Color-Tunable CuInS <sub>2</sub> /ZnS Nanocrystals for the Detection of Human Interleukin 6. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8210-8216.	4.0	109
50	Microwave-assisted synthesis of nitrogen and boron co-doped graphene and its application for enhanced electrochemical detection of hydrogen peroxide. <i>RSC Advances</i> , 2013, 3, 22597.	1.7	47
51	Focusing on luminescent graphene quantum dots: current status and future perspectives. <i>Nanoscale</i> , 2013, 5, 4015.	2.8	1,295
52	Highly selective and ultrasensitive detection of nitrite based on fluorescent gold nanoclusters. <i>Talanta</i> , 2013, 104, 135-139.	2.9	83
53	Carboxymethyl chitosan-functionalized graphene for label-free electrochemical cytosensing. <i>Carbon</i> , 2013, 51, 124-133.	5.4	110
54	Assembled gold nanoparticles on nitrogen-doped graphene for ultrasensitive electrochemical detection of matrix metalloproteinase-2. <i>Carbon</i> , 2013, 61, 357-366.	5.4	91

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55	Pt@Au/nitrogen-doped graphene nanocomposites for enhanced electrochemical activities. Journal of Materials Chemistry A, 2013, 1, 1754-1762.	5.2	121
56	Sonochemical Fabrication of Twinned ZnO Hollow Ellipses for Electrochemical Biosensing. Journal of Nanoscience and Nanotechnology, 2013, 13, 8280-8289.	0.9	0
57	Ultrasensitive Multianalyte Electrochemical Immunoassay Based on Metal Ion Functionalized Titanium Phosphate Nanospheres. Analytical Chemistry, 2012, 84, 7810-7815.	3.2	130
58	Sonoelectrochemical fabrication of PDDA-RGO-PdPt nanocomposites as electrocatalyst for DAFCs. Journal of Materials Chemistry, 2011, 21, 7343.	6.7	80
59	Fabrication of Graphene@Quantum Dots Composites for Sensitive Electrogenerated Chemiluminescence Immunosensing. Advanced Functional Materials, 2011, 21, 869-878.	7.8	303
60	Direct electrochemistry and electrocatalysis of hemoglobin based on poly(diallyldimethylammonium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Electrochemistry Communications, 2010, 12, 402-405.	2.3	291