

Yingning Gao

List of Publications by Year in descending order

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21
papers

960
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516710

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677142

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docs citations

22
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	The promise of graphene-based transistors for democratizing multiomics studies. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113605.	10.1	25
2	Digital Biosensing by Foundry-Fabricated Graphene Sensors. <i>Scientific Reports</i> , 2019, 9, 434.	3.3	74
3	Quantifying Small Molecule Binding Interactions with DNA Nanostructures. <i>Methods in Molecular Biology</i> , 2018, 1814, 145-155.	0.9	1
4	Lectin- and Saccharide-Functionalized Nano-Chemiresistor Arrays for Detection and Identification of Pathogenic Bacteria Infection. <i>Biosensors</i> , 2018, 8, 63.	4.7	9
5	DNA Nanostructure Sequence-Dependent Binding of Organophosphates. <i>Langmuir</i> , 2017, 33, 2033-2040.	3.5	10
6	Enhancing Enzyme Activity and Immobilization in Nanostructured Inorganic-Enzyme Complexes. <i>Langmuir</i> , 2017, 33, 9073-9080.	3.5	24
7	Towards Novel Graphene-Enabled Diagnostic Assays with Improved Signal-to-Noise Ratio. <i>MRS Advances</i> , 2017, 2, 3733-3739.	0.9	8
8	Large scale commercial fabrication of high quality graphene-based assays for biomolecule detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1261-1267.	7.8	45
9	Mechanisms of Enhanced Catalysis in Enzyme-DNA Nanostructures Revealed through Molecular Simulations and Experimental Analysis. <i>ChemBioChem</i> , 2016, 17, 1430-1436.	2.6	35
10	Tuning Enzyme Kinetics through Designed Intermolecular Interactions Far from the Active Site. <i>ACS Catalysis</i> , 2015, 5, 2149-2153.	11.2	61
11	Electronic Detection of MicroRNA at Attomolar Level with High Specificity. <i>Analytical Chemistry</i> , 2013, 85, 8061-8064.	6.5	98
12	Helical nano-structures self-assembled from dimethylaminoethoxy-containing unsymmetrical octakis-substituted phthalocyanine derivatives. <i>Soft Matter</i> , 2011, 7, 3417.	2.7	27
13	2,3,9,10,16,17,23,24-Octakis(hexylsulfonyl)phthalocyanines with good n-type semiconducting properties. Synthesis, spectroscopic, and electrochemical characteristics. <i>Journal of Materials Chemistry</i> , 2011, 21, 6515.	6.7	36
14	Organic field effect transistors based on 5,10,15,20-tetrakis(4-pentyloxyphenyl)porphyrin single crystal. <i>Synthetic Metals</i> , 2010, 160, 510-515.	3.9	26
15	Novel Pathway to Synthesize Unsymmetrical 2,3,9,10,16,17,23-heptakis(alkoxyl)-24-mono(dimethylaminoalkoxyl)phthalocyanines. <i>Inorganic Chemistry</i> , 2010, 49, 9005-9011.	4.0	12
16	Bis[1,4,8,11,15,18,22,25-octa(butyloxy)phthalocyaninato] rare earth double-decker complexes: synthesis, spectroscopy, and molecular structure. <i>Dalton Transactions</i> , 2010, 39, 1321-1327.	3.3	26
17	Facile approaches to build ordered amphiphilic tris(phthalocyaninato) europium triple-decker complex thin films and their comparative performances in ozone sensing. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12851.	2.8	106
18	Nonperipherally Octa(butyloxy)-Substituted Phthalocyanine Derivatives with Good Crystallinity: Effects of Metal-Ligand Coordination on the Molecular Structure, Internal Structure, and Dimensions of Self-Assembled Nanostructures. <i>Chemistry - A European Journal</i> , 2009, 15, 13241-13252.	3.3	66

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19	Design, Synthesis, Characterization, and OFET Properties of Amphiphilic Heteroleptic Tris(phthalocyaninato) Europium(III) Complexes. The Effect of Crown Ether Hydrophilic Substituents. <i>Inorganic Chemistry</i> , 2009, 48, 45-54.	4.0	61
20	Morphology-Controlled Self-Assembled Nanostructures of 5,15-Di[4-(5-acetylsulfanyl)pentyl]phenyl]porphyrin Derivatives. Effect of Metal-Ligand Coordination Bonding on Tuning the Intermolecular Interaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 17044-17052.	13.7	145
21	Effect of Peripheral Hydrophobic Alkoxy Substitution on the Organic Field Effect Transistor Performance of Amphiphilic Tris(phthalocyaninato) Europium Triple-Decker Complexes. <i>Langmuir</i> , 2007, 23, 12549-12554.	3.5	64