

# Xiao-Peng He

## List of Publications by Year in descending order

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177  
papers

8,971  
citations

46918

47  
h-index

51492

86  
g-index

195  
all docs

195  
docs citations

195  
times ranked

8035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent probes for the detection of disease-associated biomarkers. <i>Science Bulletin</i> , 2022, 67, 853-878.	4.3	110
2	Targeted delivery of maytansine to liver cancer cells <i>via</i> galactose-modified supramolecular two-dimensional glycomaterial. <i>Chemical Communications</i> , 2022, 58, 5029-5032.	2.2	6
3	A homogeneous high-throughput array for the detection and discrimination of influenza A viruses. <i>CheM</i> , 2022, 8, 1750-1761.	5.8	24
4	Dual-Channel Fluorescent Probe for the Simultaneous Monitoring of Peroxynitrite and Adenosine-5'-triphosphate in Cellular Applications. <i>Journal of the American Chemical Society</i> , 2022, 144, 174-183.	6.6	89
5	Tuning the Solid- and Solution-State Fluorescence of the Iron-Chelator Deferasirox. <i>Journal of the American Chemical Society</i> , 2022, 144, 7382-7390.	6.6	22
6	Fluorescence Analysis of Circulating Exosomes for Breast Cancer Diagnosis Using a Sensor Array and Deep Learning. <i>ACS Sensors</i> , 2022, 7, 1524-1532.	4.0	27
7	Fluorescent probes and functional materials for biomedical applications. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 1425-1437.	2.3	12
8	Fluorescent probes for the imaging of lipid droplets in live cells. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213577.	9.5	123
9	TCF-ALP: a fluorescent probe for the selective detection of Staphylococcus bacteria and application in smart wound dressings. <i>Biomaterials Science</i> , 2021, 9, 4433-4439.	2.6	14
10	Metal-organic frameworks (MOFs) as host materials for the enhanced delivery of biomacromolecular therapeutics. <i>Chemical Communications</i> , 2021, 57, 12098-12110.	2.2	51
11	Graphene nanoribbon-based supramolecular ensembles with dual-receptor targeting function for targeted photothermal tumor therapy. <i>Chemical Science</i> , 2021, 12, 11089-11097.	3.7	16
12	Deferasirox (ExJade): An FDA-Approved AIEgen Platform with Unique Photophysical Properties. <i>Journal of the American Chemical Society</i> , 2021, 143, 1278-1283.	6.6	46
13	<i>In vitro</i> studies of deferasirox derivatives as potential organelle-targeting traceable anti-cancer therapeutics. <i>Chemical Communications</i> , 2021, 57, 5678-5681.	2.2	9
14	The Evaluation of Ester Functionalised TCF-Based Fluorescent Probes for the Detection of Bacterial Species. <i>Israel Journal of Chemistry</i> , 2021, 61, 234-238.	1.0	13
15	Long-Wavelength AIE-Based Fluorescent Probes for Mitochondria-Targeted Imaging and Photodynamic Therapy of Hepatoma Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 7016-7024.	2.3	15
16	Low-dimensional nanomaterials for antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3640-3661.	2.9	36
17	Small-molecule fluorescence-based probes for interrogating major organ diseases. <i>Chemical Society Reviews</i> , 2021, 50, 9391-9429.	18.7	176
18	Near-Infrared Light-Triggered Bacterial Eradication Using a Nanowire Nanocomposite of Graphene Nanoribbons and Chitosan-Coated Silver Nanoparticles. <i>Frontiers in Chemistry</i> , 2021, 9, 767847.	1.8	4

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19	Ferrocene-Labelled Electroactive Aptamer-Based Sensors (Aptasensors) for Glycated Haemoglobin. <i>Molecules</i> , 2021, 26, 7077.	1.7	2
20	A general strategy to the intracellular sensing of glycosidases using AIE-based glycoclusters. <i>Chemical Science</i> , 2021, 13, 247-256.	3.7	25
21	Dual enzyme activated fluorescein based fluorescent probe. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 117-121.	2.3	15
22	Protein encapsulation: a new approach for improving the capability of small-molecule fluorogenic probes. <i>Chemical Science</i> , 2020, 11, 1107-1113.	3.7	49
23	Fluorescent glycoconjugates and their applications. <i>Chemical Society Reviews</i> , 2020, 49, 593-641.	18.7	49
24	Cyclodextrin-Based Peptide Self-Assemblies (Spds) That Enhance Peptide-Based Fluorescence Imaging and Antimicrobial Efficacy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1925-1932.	6.6	36
25	A Supramolecular-Based Dual-Wavelength Phototherapeutic Agent with Broad-Spectrum Antimicrobial Activity Against Drug-Resistant Bacteria. <i>Angewandte Chemie</i> , 2020, 132, 3687-3693.	1.6	18
26	A Supramolecular-Based Dual-Wavelength Phototherapeutic Agent with Broad-Spectrum Antimicrobial Activity Against Drug-Resistant Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3658-3664.	7.2	94
27	First resonance energy transfer (FRET)-based small-molecule sensors and imaging agents. <i>Chemical Society Reviews</i> , 2020, 49, 5110-5139.	18.7	516
28	A glycoconjugate-based gold nanoparticle approach for the targeted treatment of <i>Pseudomonas aeruginosa</i> biofilms. <i>Nanoscale</i> , 2020, 12, 23234-23240.	2.8	21
29	Pinkment: a synthetic platform for the development of fluorescent probes for diagnostic and theranostic applications. <i>Chemical Science</i> , 2020, 11, 8567-8571.	3.7	26
30	Photochromic Fluorescent Probe Strategy for the Super-resolution Imaging of Biologically Important Biomarkers. <i>Journal of the American Chemical Society</i> , 2020, 142, 18005-18013.	6.6	118
31	Manganese(II) Texaphyrin: A Paramagnetic Photoacoustic Contrast Agent Activated by Near-IR Light. <i>Journal of the American Chemical Society</i> , 2020, 142, 16156-16160.	6.6	37
32	Coumarin-based fluorescent probe for the rapid detection of peroxynitrite AND™ biological thiols. <i>RSC Advances</i> , 2020, 10, 13496-13499.	1.7	14
33	Transition metal chelators, pro-chelators, and ionophores as small molecule cancer chemotherapeutic agents. <i>Chemical Society Reviews</i> , 2020, 49, 3726-3747.	18.7	115
34	Protein Encapsulation: A Nanocarrier Approach to the Fluorescence Imaging of an Enzyme-Based Biomarker. <i>Frontiers in Chemistry</i> , 2020, 8, 389.	1.8	22
35	Toward multifunctional anticancer therapeutics: post-synthetic carbonate functionalisation of asymmetric Au(i) bis-N-heterocyclic carbenes. <i>Chemical Communications</i> , 2020, 56, 7877-7880.	2.2	12
36	Supramolecular Assembly of TPE-Based Glycoclusters with Dicyanomethylene-4-H-pyran (DM) Fluorescent Probes Improve Their Properties for Peroxynitrite Sensing and Cell Imaging. <i>Chemistry - A European Journal</i> , 2020, 26, 14445-14452.	1.7	8

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37	Metal-based imaging agents: progress towards interrogating neurodegenerative disease. <i>Chemical Society Reviews</i> , 2020, 49, 2886-2915.	18.7	56
38	Supramolecular fluorogenic peptide sensor array based on graphene oxide for the differential sensing of ebola virus. <i>Chemical Communications</i> , 2020, 56, 5735-5738.	2.2	22
39	Bio-Conjugated Advanced Materials for Targeted Disease Theranostics. <i>Advanced Functional Materials</i> , 2020, 30, 1907906.	7.8	51
40	Self-assembled sialyllactosyl probes with aggregation-enhanced properties for ratiometric detection and blocking of influenza viruses. <i>Science Bulletin</i> , 2019, 64, 1902-1909.	4.3	22
41	Reaction-Based Fluorescent Probes for the Detection and Imaging of Reactive Oxygen, Nitrogen, and Sulfur Species. <i>Accounts of Chemical Research</i> , 2019, 52, 2582-2597.	7.6	442
42	Coumarin-based fluorescent AND logic gate probes for the detection of homocysteine and a chosen biological analyte. <i>RSC Advances</i> , 2019, 9, 26425-26428.	1.7	9
43	A Leucine Aminopeptidase-Activated Theranostic Prodrug for Cancer Diagnosis and Chemotherapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 4904-4910.	2.3	15
44	ESIPT-based fluorescence probe for the ratiometric detection of superoxide. <i>New Journal of Chemistry</i> , 2019, 43, 2875-2877.	1.4	29
45	Self-Assembled 2D Glycoclusters for the Targeted Delivery of Theranostic Agents to Triple-Negative Breast Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22181-22187.	4.0	15
46	Self-Assembled Thin-Layer Glycomaterials With a Proper Shell Thickness for Targeted and Activatable Cell Imaging. <i>Frontiers in Chemistry</i> , 2019, 7, 294.	1.8	1
47	Sensors, Imaging Agents, and Theranostics to Help Understand and Treat Reactive Oxygen Species Related Diseases. <i>Small Methods</i> , 2019, 3, 1900013.	4.6	72
48	Multivalent Glycosheets for Double Light-Driven Therapy of Multidrug-Resistant Bacteria on Wounds. <i>Advanced Functional Materials</i> , 2019, 29, 1806986.	7.8	55
49	Thiophenol detection using an AIE fluorescent probe through self-assembly with TPE-based glycoclusters. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9251-9256.	1.5	16
50	Targeted photoswitchable imaging of intracellular glutathione by a photochromic glycosheet sensor. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2380-2389.	1.3	3
51	Peroxynitrite Activated Drug Conjugate Systems Based on a Coumarin Scaffold Toward the Application of Theranostics. <i>Frontiers in Chemistry</i> , 2019, 7, 775.	1.8	11
52	A Simple Near-Infrared Fluorescent Probe for the Detection of Peroxynitrite. <i>ChemistryOpen</i> , 2019, 8, 1407-1409.	0.9	14
53	Fluorescence imaging of a potential diagnostic biomarker for breast cancer cells using a peptide-functionalized fluorogenic 2D material. <i>Chemical Communications</i> , 2019, 55, 13235-13238.	2.2	7
54	Fluorogenic probes for disease-relevant enzymes. <i>Chemical Society Reviews</i> , 2019, 48, 683-722.	18.7	451

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55	Fluorescence Imaging of Alzheimer's Disease with a Flat Ensemble Formed between a Quinoline-Malonitrile AIEgen and Thin-Layer Molybdenum Disulfide. <i>ChemBioChem</i> , 2019, 20, 1856-1860.	1.3	15
56	Supramolecular Nanostructures of Structurally Defined Graphene Nanoribbons in the Aqueous Phase. <i>Angewandte Chemie</i> , 2018, 130, 3424-3429.	1.6	12
57	Biodegradable macroporous scaffold with nano-crystal surface microstructure for highly effective osteogenesis and vascularization. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1658-1667.	2.9	24
58	Supramolecular Nanostructures of Structurally Defined Graphene Nanoribbons in the Aqueous Phase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3366-3371.	7.2	52
59	Lightening Up Membrane Receptors with Fluorescent Molecular Probes and Supramolecular Materials. <i>CheM</i> , 2018, 4, 246-268.	5.8	51
60	The development of a novel AND logic based fluorescence probe for the detection of peroxynitrite and GSH. <i>Chemical Science</i> , 2018, 9, 3672-3676.	3.7	136
61	Supramolecular glyco-poly-cyclodextrin functionalized thin-layer manganese dioxide for targeted stimulus-responsive bioimaging. <i>Chemical Communications</i> , 2018, 54, 4037-4040.	2.2	11
62	Supramolecular glycorhodamine-polymer dot ensembles for the homogeneous, fluorogenic analysis of lectins. <i>Carbohydrate Research</i> , 2018, 455, 1-4.	1.1	5
63	Excited-state intramolecular proton-transfer (ESIPT) based fluorescence sensors and imaging agents. <i>Chemical Society Reviews</i> , 2018, 47, 8842-8880.	18.7	993
64	Tetraphenylethylene-based glycoclusters with aggregation-induced emission (AIE) properties as high-affinity ligands of bacterial lectins. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8804-8809.	1.5	25
65	An ESIPT Probe for the Ratiometric Imaging of Peroxynitrite Facilitated by Binding to A $\beta$ -Aggregates. <i>Journal of the American Chemical Society</i> , 2018, 140, 14267-14271.	6.6	155
66	Preferential Colonization of Osteoblasts Over Co-cultured Bacteria on a Bifunctional Biomaterial Surface. <i>Frontiers in Microbiology</i> , 2018, 9, 2219.	1.5	24
67	ESIPT-based fluorescence probe for the rapid detection of peroxynitrite AND™ biological thiols. <i>Chemical Communications</i> , 2018, 54, 11336-11339.	2.2	64
68	AND™-based fluorescence scaffold for the detection of ROS/RNS and a second analyte. <i>Chemical Communications</i> , 2018, 54, 8466-8469.	2.2	47
69	Photocontrolled Fluorescence Double-Check-Bioimaging Enabled by a Glycoprobe-Protein Hybrid. <i>Journal of the American Chemical Society</i> , 2018, 140, 8671-8674.	6.6	116
70	Osteogenesis, vascularization and osseointegration of a bioactive multiphase macroporous scaffold in the treatment of large bone defects. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4197-4204.	2.9	14
71	Glypican-3-targeted precision diagnosis of hepatocellular carcinoma on clinical sections with a supramolecular 2D imaging probe. <i>Theranostics</i> , 2018, 8, 3268-3274.	4.6	35
72	Supramolecular Polymer Dot Ensemble for Ratiometric Detection of Lectins and Targeted Delivery of Imaging Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3272-3276.	4.0	12

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73	2D Materials: Fluorogenic 2D Peptidosheet Unravels CD47 as a Potential Biomarker for Profiling Hepatocellular Carcinoma and Cholangiocarcinoma Tissues (Adv. Mater. 5/2017). Advanced Materials, 2017, 29, .	11.1	0
74	Fluorogenic bis-triazolyl galactoprobeâ€metal complex for full-aqueous analysis of sulfide ion. Sensors and Actuators B: Chemical, 2017, 246, 197-201.	4.0	30
75	Graphene oxide-enhanced cytoskeleton imaging and mitosis tracking. Chemical Communications, 2017, 53, 3373-3376.	2.2	7
76	Taking Orders from Light: Photo-Switchable Working/Inactive Smart Surfaces for Protein and Cell Adhesion. ACS Applied Materials & Interfaces, 2017, 9, 8498-8507.	4.0	35
77	GPCR Activation and Endocytosis Induced by a 2D Material Agonist. ACS Applied Materials & Interfaces, 2017, 9, 14709-14715.	4.0	9
78	Conjugated polyelectrolytes with galactose-containing side chains for targeted hepatoma cell imaging. Chemical Communications, 2017, 53, 5625-5628.	2.2	11
79	A fluorogenic 2D glycosheet for the simultaneous identification of human- and avian-receptor specificity in influenza viruses. Materials Horizons, 2017, 4, 431-436.	6.4	26
80	Supramolecular assembly of fluorogenic glyco-dots from perylenediimide-based glycoclusters for targeted imaging of cancer cells. Chemical Communications, 2017, 53, 11937-11940.	2.2	13
81	Remote light-controlled intracellular target recognition by photochromic fluorescent glycoprobes. Nature Communications, 2017, 8, 987.	5.8	141
82	Multiplexed photoluminescent sensors: towards improved disease diagnostics. Chemical Society Reviews, 2017, 46, 6687-6696.	18.7	118
83	Photochromism and molecular logic gate operation of a water-compatible bis-glycosyl diarylethene. Chemical Communications, 2017, 53, 9494-9497.	2.2	47
84	Supramolecular coreâ€glycoshell polythiophene nanodots for targeted imaging and photodynamic therapy. Chemical Communications, 2017, 53, 9793-9796.	2.2	21
85	Perylenediimide-based glycoclusters as high affinity ligands of bacterial lectins: synthesis, binding studies and anti-adhesive properties. Organic and Biomolecular Chemistry, 2017, 15, 10037-10043.	1.5	14
86	Long-wavelength fluorescent boronate probes for the detection and intracellular imaging of peroxynitrite. Chemical Communications, 2017, 53, 12822-12825.	2.2	112
87	Targeting Osteocytes to Attenuate Early Breast Cancer Bone Metastasis by Theranostic Upconversion Nanoparticles with Responsive Plumbagin Release. ACS Nano, 2017, 11, 7259-7273.	7.3	100
88	Sialylglycan-Assembled Supra-Dots for Ratiometric Probing and Blocking of Human-Infecting Influenza Viruses. ACS Applied Materials & Interfaces, 2017, 9, 25164-25170.	4.0	15
89	Low-dimensional materials facilitate the conjugation between fluorogenic boronic acids and saccharides. Materials Chemistry Frontiers, 2017, 1, 61-64.	3.2	6
90	Fluorogenic 2D Peptidosheet Unravels CD47 as a Potential Biomarker for Profiling Hepatocellular Carcinoma and Cholangiocarcinoma Tissues. Advanced Materials, 2017, 29, 1604253.	11.1	37

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91	Vibration-Induced-Emission (VIE) for imaging amyloid $\beta$ fibrils. <i>Faraday Discussions</i> , 2017, 196, 395-402.	1.6	26
92	D-A-D fluorogenic probe for the rapid imaging of amyloid $\beta$ plaques in vivo. <i>Dyes and Pigments</i> , 2017, 136, 224-228.	2.0	19
93	Fluorescent glycoprobes: a sweet addition for improved sensing. <i>Chemical Communications</i> , 2017, 53, 82-90.	2.2	62
94	Targeted multimodal theranostics via biorecognition controlled aggregation of metallic nanoparticle composites. <i>Chemical Science</i> , 2016, 7, 4004-4008.	3.7	43
95	Carbohydrate CuAAC click chemistry for therapy and diagnosis. <i>Carbohydrate Research</i> , 2016, 429, 1-22.	1.1	109
96	Supramolecular Ensembles Formed between Charged Conjugated Polymers and Glycoprobes for the Fluorogenic Recognition of Receptor Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13601-13606.	4.0	20
97	Probing Mannose-Binding Proteins That Express on Live Cells and Pathogens with a Diffusion-to-Surface Ratiometric Graphene Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25137-25141.	4.0	19
98	Chelation as a strategy to reinforce cationic copper surface protection in acidic solutions. <i>RSC Advances</i> , 2016, 6, 68351-68356.	1.7	2
99	Innenrücktitelbild: Rapid Identification of the Receptor-Binding Specificity of Influenza A Viruses by Fluorogenic Glycofoldamers ( <i>Angew. Chem.</i> 45/2016). <i>Angewandte Chemie</i> , 2016, 128, 14385-14385.	1.6	0
100	Benzo[c]carbazole derivatives produced by an effective Diels-Alder reaction: synthesis and structure-activity-relationship for surface coating. <i>RSC Advances</i> , 2016, 6, 75162-75165.	1.7	6
101	Rapid Identification of the Receptor-Binding Specificity of Influenza A Viruses by Fluorogenic Glycofoldamers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13995-13999.	7.2	39
102	Targeted Intracellular Production of Reactive Oxygen Species by a 2D Molybdenum Disulfide Glycosheet. <i>Advanced Materials</i> , 2016, 28, 9356-9363.	11.1	108
103	A supramolecular pyrenyl glycoside-coated 2D MoS <sub>2</sub> composite electrode for selective cell capture. <i>Chemical Communications</i> , 2016, 52, 11689-11692.	2.2	13
104	Aminochlorination of Alkenes with CFBSA. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4526-4533.	1.2	14
105	Photoswitchable arene ruthenium and pentamethylcyclopentadienyl rhodium complexes containing o-sulfonamide azobenzene ligands: Synthesis, characterization and cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2016, 820, 111-119.	0.8	11
106	Ratiometric Detection of $\beta$ -Amyloid and Discrimination from Lectins by a Supramolecular AIE Glyconanoparticle. <i>Small</i> , 2016, 12, 6562-6567.	5.2	44
107	Foldable glycoprobes capable of fluorogenic crosslinking of biomacromolecules. <i>Chemical Science</i> , 2016, 7, 6325-6329.	3.7	32
108	Rapid Identification of the Receptor-Binding Specificity of Influenza A Viruses by Fluorogenic Glycofoldamers. <i>Angewandte Chemie</i> , 2016, 128, 14201-14205.	1.6	5

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109	Intracellular pH sensing and targeted imaging of lysosome by a galactosyl naphthalimide-piperazine probe. <i>Dyes and Pigments</i> , 2016, 133, 372-379.	2.0	39
110	Irreversible destruction of amyloid fibril plaques by conjugated polymer based fluorogenic nanogrenades. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4502-4506.	2.9	11
111	Targeted fluorescence imaging enhanced by 2D materials: a comparison between 2D MoS <sub>2</sub> and graphene oxide. <i>Chemical Communications</i> , 2016, 52, 9418-9421.	2.2	21
112	Photoluminescence Architectures for Disease Diagnosis: From Graphene to Thin-Layer Transition Metal Dichalcogenides and Oxides. <i>Small</i> , 2016, 12, 144-160.	5.2	78
113	N-Oxyamide-linked glyco-glycerolipid coated AuNPs for receptor-targeting imaging and drug delivery. <i>Chemical Communications</i> , 2016, 52, 2284-2287.	2.2	16
114	Interlocked supramolecular glycoconjugated polymers for receptor-targeting theranostics. <i>Chemical Communications</i> , 2016, 52, 3821-3824.	2.2	17
115	Simultaneous Detection of Diverse Glycoligand- $\alpha$ -Receptor Recognitions Using a Single-Excitation, Dual-Emission Graphene Composite. <i>Advanced Functional Materials</i> , 2015, 25, 3483-3487.	7.8	41
116	Triazole-Linked Glycolipids Enhance the Susceptibility of MRSA to $\beta$ -Lactam Antibiotics. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 793-797.	1.3	21
117	$\alpha$ -Galactosyl anthraquinone on graphene electrodes for the label-free impedance detection of live cancer cells. <i>Dyes and Pigments</i> , 2015, 121, 312-315.	2.0	18
118	Receptor-targeting fluorescence imaging and theranostics using a graphene oxide based supramolecular glyco-composite. <i>Journal of Materials Chemistry B</i> , 2015, 3, 9182-9185.	2.9	33
119	Colorimetric and Plasmonic Detection of Lectins Using Core-Shell Gold Glyconanoparticles Prepared by Copper-Free Click Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1874-1878.	4.0	41
120	Ratiometric glyco-probe for transient determination of thiophenol in full aqueous solution and river water. <i>Dyes and Pigments</i> , 2015, 116, 52-57.	2.0	45
121	Selective fluorogenic imaging of hepatocellular H <sub>2</sub> S by a galactosyl azidonaphthalimide probe. <i>Chemical Communications</i> , 2015, 51, 3653-3655.	2.2	121
122	Dynamic tracking of pathogenic receptor expression of live cells using pyrenyl glycoanthraquinone-decorated graphene electrodes. <i>Chemical Science</i> , 2015, 6, 1996-2001.	3.7	40
123	Recent progress in quantum dot based sensors. <i>RSC Advances</i> , 2015, 5, 26644-26653.	1.7	81
124	Glycosylation enhances the aqueous sensitivity and lowers the cytotoxicity of a naphthalimide zinc ion fluorescence probe. <i>Chemical Communications</i> , 2015, 51, 11852-11855.	2.2	59
125	Probing sugar-lectin recognitions in the near-infrared region using glyco-diketopyrrolopyrrole with aggregation-induced-emission. <i>Biosensors and Bioelectronics</i> , 2015, 65, 420-426.	5.3	51
126	Mixed galactolipid anomers accentuate apoptosis of multiple myeloma cells by inducing DNA damage. <i>Carbohydrate Research</i> , 2015, 408, 114-118.	1.1	8



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127	Quick Serological Detection of a Cancer Biomarker with an Agglutinated Supramolecular Glycoprobe. <i>Analytical Chemistry</i> , 2015, 87, 9078-9083.	3.2	22
128	An insight into graphene oxide associated fluorogenic sensing of glycodeyeâ€“lectin interactions. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6656-6661.	2.9	24
129	Probing disease-related proteins with fluorogenic composite materials. <i>Chemical Society Reviews</i> , 2015, 44, 4239-4248.	18.7	108
130	A â€“Clickedâ€™ Tetrameric Hydroxamic Acid Glycopeptidomimetic Antagonizes Sugar-Lectin Interactions On The Cellular Level. <i>Scientific Reports</i> , 2015, 4, 5513.	1.6	18
131	Fluorogenic supramolecular complexes formed between pyrenyl-Î²-cyclodextrin and glyco-rhodamine for the selective detection of lectins. <i>Chemical Communications</i> , 2014, 50, 14141-14144.	2.2	25
132	Anthraquinonyl glycoside facilitates the standardization of graphene electrodes for the impedance detection of lectins. <i>Chemistry Central Journal</i> , 2014, 8, 67.	2.6	15
133	A per-acetyl glycosyl rhodamine as a novel fluorescent ratiometric probe for mercury (II). <i>Dyes and Pigments</i> , 2014, 102, 273-277.	2.0	36
134	Hepatoma-selective imaging of heavy metal ions using a â€“clickedâ€™ galactosylrhodamine probe. <i>Chemical Communications</i> , 2014, 50, 11735-11737.	2.2	69
135	One-Step Click Engineering Considerably Ameliorates the Practicality of an Unqualified Rhodamine Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19600-19605.	4.0	42
136	â€“Pungentâ€™ Copper Surface Resists Acid Corrosion in Strong HCl Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 64-69.	1.8	18
137	Fluorogenic Resveratrol-Confined Graphene Oxide For Economic and Rapid Detection Of Alzheimerâ€™s Disease. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5379-5382.	4.0	79
138	Target-Specific Imaging of Transmembrane Receptors Using Quinonyl Glycosides Functionalized Quantum Dots. <i>Analytical Chemistry</i> , 2014, 86, 5502-5507.	3.2	35
139	Selective Fluorescence Detection of Monosaccharides Using a Material Composite Formed between Graphene Oxide and Boronate-Based Receptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 10078-10082.	4.0	47
140	Identification of a new bis-amino acid glycoside selectively toxic to multiple myeloma cells. <i>Carbohydrate Research</i> , 2014, 394, 39-42.	1.1	3
141	Substitution Pattern Reverses the Fluorescence Response of Coumarin Glycoligands upon Coordination with Silver (I). <i>Scientific Reports</i> , 2014, 4, 4252.	1.6	34
142	Revisit of a dipropargyl rhodamine probe reveals its alternative ion sensitivity in both a solution and live cells. <i>Analyst</i> , The, 2013, 138, 7087.	1.7	14
143	Bis-triazolyl indoleamines as unique â€œoffâ€ approachâ€“onâ€•chemosensors for copper and fluorine. <i>Analyst</i> , The, 2013, 138, 2808.	1.7	31
144	Comparative studies on the enantioselective fluorination of oxindoles with structurally modified N-fluorobenzenesulfonimides. <i>Tetrahedron</i> , 2013, 69, 4933-4937.	1.0	33

#	ARTICLE	IF	CITATIONS
145	Click Synthesis of Triazolyl Phenylalaninyl and Tyrosinyl Derivatives as New Protein Tyrosine Phosphatase Inhibitors. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 684-688.	1.4	4
146	Highly Enantioselective Construction of 3- $\alpha$ -Hydroxy Oxindoles through a Decarboxylative Aldol Addition of Trifluoromethyl $\beta$ -Fluorinated $\alpha$ -Diols to $\alpha$ -Benzyl Isatins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5566-5570.	7.2	99
147	Fluorogenic Probing of Specific Recognitions between Sugar Ligands and Glycoprotein Receptors on Cancer Cells by an Economic Graphene Nanocomposite. <i>Advanced Materials</i> , 2013, 25, 4097-4101.	11.1	113
148	Capturing intercellular sugar-mediated ligand-receptor recognitions via a simple yet highly biospecific interfacial system. <i>Scientific Reports</i> , 2013, 3, 2293.	1.6	41
149	Discovery of a sensitive Cu(I)-cyanide "on"-sensor based on new C-glycosyl triazolyl bis-amino acid scaffold. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 555-560.	1.5	56
150	Novel triazolyl bis-amino acid derivatives readily synthesized via click chemistry as potential corrosion inhibitors for mild steel in HCl. <i>Corrosion Science</i> , 2012, 57, 220-227.	3.0	105
151	Concise Cu(I)-Catalyzed Azide-Alkyne 1,3-Dipolar Cycloaddition Reaction Ligation Remarkably Enhances the Corrosion Inhibitive Potency of Natural Amino Acids for Mild Steel in HCl. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 7160-7169.	1.8	30
152	Construction of triazolyl bidentate glycoligands (TBGs) by grafting of 3-azidocoumarin to epimeric pyranoglycosides via a fluorogenic dual click reaction. <i>Carbohydrate Research</i> , 2012, 363, 38-42.	1.1	16
153	Identification of diverse 1,2,3-triazole-connected benzyl glycoside-serine/threonine conjugates as potent corrosion inhibitors for mild steel in HCl. <i>Corrosion Science</i> , 2012, 64, 64-73.	3.0	75
154	The Regio-specific solvent controlled asymmetric Strecker reaction of trifluoromethyl $\beta$ , $\beta$ -unsaturated N-tert-butanefulfinyl ketimines with trimethylsilyl cyanide. <i>Journal of Fluorine Chemistry</i> , 2012, 144, 102-107.	0.9	16
155	Research on the structure-surface adsorptive activity relationships of triazolyl glycolipid derivatives for mild steel in HCl. <i>Carbohydrate Research</i> , 2012, 354, 32-39.	1.1	22
156	The anomeric mixture of some O-galactolipid derivatives is more toxic against cancer cells than either anomer alone. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2030-2032.	1.0	12
157	Microwave-assisted construction of triazole-linked amino acid-glucoside conjugates as novel PTP1B inhibitors. <i>New Journal of Chemistry</i> , 2011, 35, 622.	1.4	31
158	Epimeric Monosaccharide-Quinone Hybrids on Gold Electrodes toward the Electrochemical Probing of Specific Carbohydrate-Protein Recognitions. <i>Journal of the American Chemical Society</i> , 2011, 133, 3649-3657.	6.6	75
159	Click to a focused library of benzyl 6-triazolo(hydroxy)benzoic glucosides: Novel construction of PTP1B inhibitors on a sugar scaffold. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4212-4218.	2.6	27
160	Discovering the distinct inhibitory effects between C4-epimeric glycosyl amino acids: new insight into the development of protein tyrosine phosphatase inhibitors. <i>Glycoconjugate Journal</i> , 2011, 28, 493-497.	1.4	13
161	Synthesis of novel 6-triazologlycolipids via click chemistry and their preliminary cytotoxicity assessments. <i>Molecular Diversity</i> , 2011, 15, 889-900.	2.1	17
162	Preparation of triazole-linked glycosylated $\beta$ -ketocarboxylic acid derivatives as new PTP1B inhibitors. <i>Carbohydrate Research</i> , 2011, 346, 140-145.	1.1	35

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163	Synthesis of (Glycopyranosyl-triazolyl)-purines and Their Inhibitory Activities against Protein Tyrosine Phosphatase 1B (PTP1B). <i>Chemistry and Biodiversity</i> , 2011, 8, 2035-2044.	1.0	14
164	Facile fabrication of promising protein tyrosine phosphatase (PTP) inhibitor entities based on "clicked" serine/threonine-monosaccharide hybrids. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3892-3900.	1.4	29
165	A unique and rapid approach toward the efficient development of novel protein tyrosine phosphatase (PTP) inhibitors based on "clicked" pseudo-glycopeptides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1092-1096.	1.0	33
166	Disclosing the distinct interfacial behaviors of structurally and configurationally diverse triazolglycolipids. <i>Carbohydrate Research</i> , 2011, 346, 1320-1326.	1.1	10
167	Highly optically selective and electrochemically active chemosensor for copper (II) based on triazole-linked glucosyl anthraquinone. <i>Dyes and Pigments</i> , 2011, 88, 391-395.	2.0	91
168	Creation of 3,4-bis-triazolocoumarin-sugar conjugates via fluoregenic dual click chemistry and their quenching specificity with silver(I) in aqueous media. <i>Tetrahedron</i> , 2011, 67, 3343-3347.	1.0	56
169	"Click" to bidentate bis-triazolyl sugar derivatives with promising biological and optical features. <i>Tetrahedron Letters</i> , 2011, 52, 894-898.	0.7	30
170	6-O-Amino-2-O-carboxymethyl Glucopyranoside as Novel Glycoaminoxy Acid Building Block for the Construction of Oligosaccharide Mimetics. <i>Synthesis</i> , 2011, 2011, 2761-2766.	1.2	2
171	Monosaccharide as a Central Scaffold Toward the Construction of Salicylate-Based Bidentate PTP1B Inhibitors via Click Chemistry. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 1000-1006.	1.0	7
172	Triazole-linked Benzylated Glucosyl, Galactosyl, and Mannosyl Monomers and Dimers as Novel Sugar Scaffold-based PTP1B Inhibitors. <i>Chemistry Letters</i> , 2010, 39, 1261-1263.	0.7	18
173	Expeditious preparation of triazole-linked glycolipids via microwave accelerated click chemistry and their electrochemical and biological assessments. <i>Tetrahedron</i> , 2010, 66, 9974-9980.	1.0	46
174	Construction of 6-Triazole-Linked Mannopyranosyl Serine and Threonine as Novel Sugar Amino Acid Mimics. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 1055-1057.	1.0	8
175	Microwave-Accelerated Click Chemistry: Expeditious Synthesis of Novel Triazole-linked Salicylic $\beta$ -D-O-Glycosides with PTP1B Inhibitory Activity. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3359-3365.	1.0	12
176	A Shortcut to the Preparation of Naturally Occurring Arbutin. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 1825-1826.	1.0	4
177	Synthesis of $\beta$ -C-glycopyranosyl-1,4-naphthoquinone derivatives and their cytotoxic activity. <i>Carbohydrate Research</i> , 2008, 343, 773-779.	1.1	13