

# Xiang-Guang Meng

## List of Publications by Year in descending order

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91  
papers

1,589  
citations

331259

21  
h-index

344852

36  
g-index

94  
all docs

94  
docs citations

94  
times ranked

1969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of phenol, p-chlorophenol and p-nitrophenol onto functional chitosan. <i>Bioresource Technology</i> , 2009, 100, 1168-1173.	4.8	199
2	All-solid-state Z-scheme system arrays of Fe <sub>2</sub> V <sub>4</sub> O <sub>13</sub> /RGO/CdS for visible light-driving photocatalytic CO <sub>2</sub> reduction into renewable hydrocarbon fuel. <i>Chemical Communications</i> , 2015, 51, 800-803.	2.2	139
3	Application of Machine-Learning Models to Predict Tacrolimus Stable Dose in Renal Transplant Recipients. <i>Scientific Reports</i> , 2017, 7, 42192.	1.6	96
4	Metallomicellar supramolecular systems and their applications in catalytic reactions. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2166-2177.	9.5	84
5	Highly efficient adsorption of chlorophenols onto chemically modified chitosan. <i>Applied Surface Science</i> , 2014, 292, 735-741.	3.1	83
6	Precise orbit determination of the Fengyun-3C satellite using onboard GPS and BDS observations. <i>Journal of Geodesy</i> , 2017, 91, 1313-1327.	1.6	54
7	The More the Slower: Self-Inhibition in Supramolecular Chirality Induction, Memory, Erasure, and Reversion. <i>Journal of the American Chemical Society</i> , 2022, 144, 1455-1463.	6.6	38
8	The FengYun-3C radio occultation sounder GNOS: a review of the mission and its early results and science applications. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5797-5811.	1.2	35
9	Studies on the oxidation of phenols catalyzed by a copper(II)-Schiff base complex in aqueous solution under mild conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 2-7.	1.6	32
10	Preliminary validation of the refractivity from the new radio occultation sounder GNOS/FY-3C. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 781-792.	1.2	30
11	A Kinetic Study of Phenolic Oxidation by H <sub>2</sub> O <sub>2</sub> Using the Schiff Base Complexes As Mimetic Peroxidases. <i>Transition Metal Chemistry</i> , 2004, 29, 388-393.	0.7	28
12	Mimic models of peroxidase kinetic studies of the catalytic oxidation of hydroquinone by H <sub>2</sub> O <sub>2</sub> . <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 2107-2113.	1.5	27
13	Metallomicellar catalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 254, 91-97.	2.3	27
14	Metallomicellar catalysis: Hydrolysis of phosphate monoester and phosphodiester by Cu(II), Zn(II) complexes of pyridyl ligands in CTAB micellar solution. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 236-242.	5.0	27
15	Selective oxidative cleavage of terminal olefins into aldehydes catalyzed by copper(II) complex. <i>RSC Advances</i> , 2015, 5, 69487-69492.	1.7	26
16	Highly selective oxidation of unsaturated hydrocarbons to carbonyl compounds by two-phase catalysis. <i>Tetrahedron</i> , 2016, 72, 6705-6710.	1.0	25
17	FY3E GNOS II GNSS Reflectometry: Mission Review and First Results. <i>Remote Sensing</i> , 2022, 14, 988.	1.8	25
18	Oxidation of 4-chlorophenol catalyzed by Cu(II) complexes under mild conditions: Kinetics and mechanism. <i>Journal of Molecular Catalysis A</i> , 2009, 299, 102-107.	4.8	23

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19	In-orbit performance of GNOS on-board FY3-C and the enhancements for FY3-D satellite. <i>Advances in Space Research</i> , 2017, 60, 2812-2821.	1.2	23
20	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 777-781.	0.7	22
21	Association of positively selected eIF3a polymorphisms with toxicity of platinum-based chemotherapy in NSCLC patients. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 375-384.	2.8	21
22	Precise Orbit Determination for the FY-3C Satellite Using Onboard BDS and GPS Observations from 2013, 2015, and 2017. <i>Engineering</i> , 2020, 6, 904-912.	3.2	20
23	Hepatic expression of transcription factors affecting developmental regulation of UGT1A1 in the Han Chinese population. <i>European Journal of Clinical Pharmacology</i> , 2017, 73, 29-37.	0.8	19
24	Evaluation of atmospheric profiles derived from single- and zero-difference excess phase processing of BeiDou radio occultation data from the FY-3C GNOS mission. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 819-833.	1.2	19
25	Impact of polymorphisms in angiogenesis-related genes on clinical outcomes of radiotherapy in patients with nasopharyngeal carcinoma. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 539-548.	0.9	17
26	Highly Selective Isomerization of Glucose into Fructose Catalyzed by a Mimic Glucose Isomerase. <i>ChemCatChem</i> , 2019, 11, 2355-2361.	1.8	16
27	Comparative studies on hydrolysis of bis(p-nitrophenyl) phosphate catalyzed by short- and long-alkyl-multiamine metallomicelles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 324, 189-193.	2.3	15
28	Cytochrome P450 oxidoreductase genetic polymorphisms A503V and rs2868177 do not significantly affect warfarin stable dosage in Han-Chinese patients with mechanical heart valve replacement. <i>European Journal of Clinical Pharmacology</i> , 2013, 69, 1769-1775.	0.8	15
29	GPS and BeiDou Differential Code Bias Estimation Using Fengyun-3C Satellite Onboard GNSS Observations. <i>Remote Sensing</i> , 2017, 9, 1239.	1.8	15
30	Validation results of NmF2 and hmF2 derived from ionospheric density profiles of GNOS on FY-3C satellite. <i>Science China Technological Sciences</i> , 2018, 61, 1372-1383.	2.0	15
31	The Influence of Geomagnetic Storm of 7&8 September 2017 on the Swarm Precise Orbit Determination. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6971-6984.	0.8	15
32	LEO&BDS&GPS integrated precise orbit modeling using FengYun-3D, FengYun-3C onboard and ground observations. <i>GPS Solutions</i> , 2020, 24, 1.	2.2	15
33	Studies on PNPP Hydrolysis Catalyzed by Schiff Base Cobalt(II) Complexes. <i>Chinese Journal of Chemistry</i> , 2006, 24, 1498-1504.	2.6	14
34	A Survey of Pharmacogenomics Testing Among Physicians, Pharmacists, and Researchers From China. <i>Frontiers in Pharmacology</i> , 2021, 12, 682020.	1.6	14
35	Metal complexes catalyzed oxidative coupling of 2,6-dimethylphenol in micellar media. <i>Journal of Molecular Catalysis A</i> , 2010, 328, 88-92.	4.8	13
36	The Status and Progress of Fengyun-3e GNOS II Mission for GNSS Remote Sensing. , 2019, , .		13

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37	High Selective Isomerization of Glucose to Fructose Catalyzed by Amidoximed Polyacrylonitrile. ACS Omega, 2021, 6, 19860-19866.	1.6	13
38	Studies on PNPP Hydrolysis Catalyzed by Schiff Base Cobalt(II) Complexes Containing Benzoaza-15-crown-5. Chinese Journal of Chemistry, 2007, 25, 765-771.	2.6	12
39	Theoretical and Experimental Studies on Selective Oxidation of Aromatic Ketone by Performic Acid. Journal of Physical Chemistry A, 2012, 116, 2920-2926.	1.1	12
40	Hydrolysis of phosphodiester catalyzed by metallomicelles with histidine residue: Kinetics and mechanism. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 839-845.	2.3	12
41	Selective Oxidation of Aromatic Olefins Catalyzed by Copper(II) Complex in Micellar Media. Catalysis Letters, 2017, 147, 2508-2514.	1.4	12
42	Global Navigation Satellite System Occultation Sounder II (GNOS II)., 2017, , .		12
43	Developmental regulation of CYP3A4 and CYP3A7 in Chinese Han population. Drug Metabolism and Pharmacokinetics, 2016, 31, 433-444.	1.1	11
44	A Highly Efficient Heterogeneous Catalyst of Bimetal-Organic Frameworks for the Epoxidation of Olefin with H <sub>2</sub> O <sub>2</sub> . Molecules, 2020, 25, 2389.	1.7	11
45	Initial results of China's GNSS-R airborne campaign: soil moisture retrievals. Science Bulletin, 2015, 60, 964-971.	4.3	10
46	Application of the Fengyun 3 C GNSS occultation sounder for assessing the global ionospheric response to a magnetic storm event. Atmospheric Measurement Techniques, 2019, 12, 1483-1493.	1.2	10
47	FA-RDN: A Hybrid Neural Network on GNSS-R Sea Surface Wind Speed Retrieval. Remote Sensing, 2021, 13, 4820.	1.8	10
48	Histone Modifications Regulate the Developmental Expression of Human Hepatic UDP-Glucuronosyltransferase 1A1. Drug Metabolism and Disposition, 2017, 45, 1372-1378.	1.7	9
49	Comparison and Validation of the Ionospheric Climatological Morphology of FY3C/GNOS with COSMIC during the Recent Low Solar Activity Period. Remote Sensing, 2019, 11, 2686.	1.8	8
50	Applications of GNSS-RO to Numerical Weather Prediction and Tropical Cyclone Forecast. Atmosphere, 2020, 11, 1204.	1.0	8
51	Copper(II) and Cobalt(II) Dinuclear Complexes with Oxime-based Ligand as Catalysts for the Hydrolysis of Phosphate Diester. Chinese Journal of Chemistry, 2008, 26, 421-425.	2.6	7
52	Direct oxidation of secondary alcohol to ester by performic acid. Green Chemistry, 2013, 15, 3332.	4.6	7
53	Hydrolysis of cellobiose to monosaccharide catalyzed by functional Lanthanum(III) metallomicelle. RSC Advances, 2015, 5, 9348-9353.	1.7	7
54	The next generation GNOS instrument for FY-3 meteorological satellites. , 2016, , .		7

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55	Pharmacogenomics signature: A novel strategy on the individual differences in drug response. <i>Cancer Letters</i> , 2018, 420, 190-194.	3.2	7
56	Incorporation of Gene-Environment Interaction Terms Improved the Predictive Accuracy of Tacrolimus Stable Dose Algorithms in Chinese Adult Renal Transplant Recipients. <i>Journal of Clinical Pharmacology</i> , 2019, 59, 890-899.	1.0	7
57	Rapid Phosphodiester Hydrolysis Catalyzed by Lanthanum(III). <i>Chinese Journal of Chemistry</i> , 2005, 23, 1303-1308.	2.6	6
58	Selective oxidation of Mandelic acids catalyzed by copper (II) complexes. <i>Journal of Molecular Catalysis A</i> , 2013, 379, 315-321.	4.8	6
59	Validation of Preliminary Results of Thermal Tropopause Derived from FY-3C GNOS Data. <i>Remote Sensing</i> , 2019, 11, 1139.	1.8	6
60	Validation results of maximum S4 index in F-layer derived from GNOS on FY3C satellite. <i>GPS Solutions</i> , 2019, 23, 1.	2.2	6
61	Improvements of GNOS On-board FY3D. , 0, , .		6
62	Metallomicellar Catalytic Hydrolysis of Bis(4-nitrophenyl) Phosphate by CuIINiIIHeterodinuclear Complexes in Brij35 Micellar Solution. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 321-327.	1.3	5
63	Chromosome t(7;11)(p15;p15) translocation in acute myeloid leukemia coexisting with multilineage dyspoiesis and mutations in NRAS and WT1: A case report and literature review. <i>Oncology Letters</i> , 2017, 13, 3066-3070.	0.8	5
64	Efficient epoxidation reaction of terminal olefins with hydrogen peroxide catalyzed by an iron (II) complex. <i>Tetrahedron Letters</i> , 2018, 59, 2436-2439.	0.7	5
65	Calibration and Wind Speed Retrieval for the Fengyun-3 E Meteorological Satellite GNSS-R Mission. , 2021, , .		5
66	Oxidative coupling of 2,6-dimethylphenol catalyzed by copper(II) complexes in aqueous solution. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2043-2049.	1.3	4
67	GREEPS: An GNSS-R End-to-End Performance Simulator. , 2016, , .		4
68	Effective Cleavage of $\beta$ -1,4-Glycosidic Bond by Functional Micelle with I-Histidine Residue. <i>Catalysis Letters</i> , 2016, 146, 1249-1255.	1.4	4
69	A first comprehensive evaluation of China's GNSS-R airborne campaign: part II "river remote sensing. <i>Science Bulletin</i> , 2015, 60, 1527-1534.	4.3	3
70	First shipborne GNSS-R campaign for receiving low elevation angle sea surface reflected signals. , 2016, , .		3
71	Preliminary in-Orbit Evaluation of Gnos on FY3D Satellite. , 2018, , .		3
72	Efficient Hydrolytic Breakage of $\beta$ -1,4-Glycosidic Bond Catalyzed by a Difunctional Magnetic Nanocatalyst. <i>Australian Journal of Chemistry</i> , 2018, 71, 559.	0.5	3

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73	Catalytic conversion of fructose to 1,3-dihydroxyacetone under mild conditions. Catalysis Communications, 2020, 145, 106098.	1.6	3
74	Spontaneous vesicle formation from DSB/AOT mixed system. Science Bulletin, 2003, 48, 1338-1342.	1.7	2
75	Accelerated Hydrolysis of p-Nitrophenyl Picolinate Catalyzed by Metallomicelle Made from a Novel Macrocyclic Polyamine Copper(II) Complex. Chinese Journal of Chemistry, 2007, 25, 772-777.	2.6	2
76	Metallomicellar Catalysis: Hydrolysis of PNPP Catalyzed by Copper(II), Zinc(II), Cerium(IV) Complexes with Long Alkyl Pyridine Ligands in CTAB Micellar Solution. Journal of Dispersion Science and Technology, 2009, 30, 1182-1187.	1.3	2
77	Microcalorimetric investigation on the kinetics of the oxidation of ascorbic acid with hydrogen peroxide. Chinese Journal of Chemistry, 2004, 22, 515-520.	2.6	2
78	Study of bending angle residual ionospheric error in real RO data. , 2016, , .		2
79	GOPA: A radiation hardened GNSS baseband ASIC for GNOS series. , 2017, , .		2
80	Evaluation of Forward Models for GNSS Radio Occultation Data Processing and Assimilation. Remote Sensing, 2022, 14, 1081.	1.8	2
81	Study on LEO-LEO microwave occultation. , 2017, , .		1
82	The Advancements in Research of FY-3 GNOS II and Instrument Performance. , 2018, , .		1
83	A Leo-Leo Occultation System Using Microwave Signals. , 2018, , .		1
84	The On-Orbit Performance of FY-3D GNOS. , 2019, , .		1
85	A Highly Efficient Iron(II) Catalyst for the Epoxidation of Olefins with m-Chloroperoxybenzoic Acid. ChemistrySelect, 2021, 6, 6132-6136.	0.7	1
86	Efficient hydrolysis of glucose-1-phosphate catalyzed by metallomicelles with histidine residue. Chemical Papers, 2014, 68, .	1.0	0
87	Comparison of neutrospheric temperature and pressure between MSISE-90 model and ECMWF reanalysis data. , 2016, , .		0
88	A mountain-based occultation experiment with L2C and B1I open loop. , 2016, , .		0
89	Effect of Lhcp Antenna's Central Beam Direction on DDM's SNR Around Specular. , 2018, , .		0
90	Analysing Seasonal Characteristics of Residual Ionospheric Errors in Bending Angles Based on Ensembles of Profiles from End-To-End Simulations. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
91	The Fengyun-3 GNOS Ionospheric Radio Occultation Mission: Accuracy Evaluation, Data Application and Potential Prospects of Network Observations. , 2021, , .		0