

Yu-Guo Du

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94 papers	1,331 citations	20 h-index	31 g-index
100 ext. papers	1,556 ext. citations	5.1 avg, IF	4.75 L-index

#	Paper	IF	Citations
94	Total synthesis of cryptopyranmoscatone B2. <i>Tetrahedron</i> , 2022 , 105, 132609	2.4	1
93	A synthetical methodology for identifying priority pollutants in reclaimed water based on meta-analysis.. <i>Journal of Environmental Sciences</i> , 2022 , 112, 106-114	6.4	1
92	Polybrominated diphenyl ether congener 99 (PBDE 99) promotes adipocyte lineage commitment of C3H10T1/2 mesenchymal stem cells.. <i>Chemosphere</i> , 2021 , 290, 133312	8.4	2
91	Stereoselective Total Synthesis of Siladenoserinols A and D. <i>Organic Letters</i> , 2021 , 23, 3264-3268	6.2	4
90	Efforts toward rational design of Th2-bias immune stimulator through modification on D-Gal-C-4 of α -GalCer derivative. <i>Tetrahedron</i> , 2021 , 89, 132168	2.4	0
89	Polychlorinated biphenyl congener 180 (PCB 180) regulates mitotic clonal expansion and enhances adipogenesis through modulation of C/EBP β -SUMOylation in preadipocytes. <i>Food and Chemical Toxicology</i> , 2021 , 152, 112205	4.7	3
88	Effective total synthesis of schaftoside. <i>Tetrahedron</i> , 2021 , 91, 132216	2.4	0
87	Characterization of UV and chlorine contributions to transformation of 2,3,4-trihydroxybenzophenone under combined UV-chlorine treatment. <i>Chemosphere</i> , 2021 , 263, 128310	8.4	4
86	Methyl tertiary-butyl ether inhibits THP-1 macrophage cholesterol efflux in vitro and accelerates atherosclerosis in ApoE-deficient mice in vivo. <i>Journal of Environmental Sciences</i> , 2021 , 101, 236-247	6.4	3
85	Free available chlorine initiated Baeyer-Villiger oxidation: A key mechanism for chloroform formation during aqueous chlorination of benzophenone UV filters. <i>Environmental Pollution</i> , 2021 , 268, 115737	9.3	2
84	Total Synthesis of the Proposed Microcyclamides MZ602 and MZ568. <i>Journal of Organic Chemistry</i> , 2021 , 86, 1065-1073	4.2	0
83	Bioassay- and QSAR-based screening of toxic transformation products and their formation under chlorination treatment on levofloxacin. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125495	12.8	3
82	A novel risk score-based prioritization method for pollutants in reclaimed water. <i>Science of the Total Environment</i> , 2021 , 795, 148833	10.2	0
81	Stereoselective synthesis of (1 <i>R</i>)-protulactone A. <i>Tetrahedron</i> , 2020 , 76, 131290	2.4	1
80	A Designed α -GalCer Analog Promotes Considerable Th1 Cytokine Response by Activating the CD1d-iNKT Axis and CD11b-Positive Monocytes/Macrophages. <i>Advanced Science</i> , 2020 , 7, 2000609	13.6	3
79	Predicted no-effect concentrations determination and ecological risk assessment for benzophenone-type UV filters in aquatic environment. <i>Environmental Pollution</i> , 2020 , 256, 113460	9.3	12
78	A selective N,N-dithenoyl-rhodamine based fluorescent probe for Fe detection in aqueous and living cells. <i>Journal of Environmental Sciences</i> , 2020 , 90, 180-188	6.4	11

77	Exposure to HBCD promotes adipogenesis both in vitro and in vivo by interfering with Wnt6 expression. <i>Science of the Total Environment</i> , 2020 , 705, 135917	10.2	7
76	Bioassay: A useful tool for evaluating reclaimed water safety. <i>Journal of Environmental Sciences</i> , 2020 , 88, 165-176	6.4	13
75	Synthesis of 5-Thio- β -GalCer Analogues with Fluorinated Acyl Chain on Lipid Residue and Their Biological Evaluation. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 221-225	4.3	7
74	Formation of novel disinfection by-products chlorinated benzoquinone, phenyl benzoquinones and polycyclic aromatic hydrocarbons during chlorination treatment on UV filter 2,4-dihydroxybenzophenone in swimming pool water. <i>Journal of Hazardous Materials</i> , 2019 , 367, 725-733	12.8	18
73	Design, synthesis and evaluation of lactoside-derived galectin-3 inhibitors. <i>Journal of Carbohydrate Chemistry</i> , 2019 , 38, 151-166	1.7	0
72	The brominated flame retardant PBDE 99 promotes adipogenesis via regulating mitotic clonal expansion and PPAR α expression. <i>Science of the Total Environment</i> , 2019 , 670, 67-77	10.2	14
71	Design, synthesis, and evaluation of β -galactopyranosylceramide mimics promoting Th2 cytokines production. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 1357-1362	2.9	6
70	Effect of methyl tert-butyl ether on adipogenesis and glucose metabolism in vitro and in vivo. <i>Journal of Environmental Sciences</i> , 2019 , 85, 208-219	6.4	3
69	Research progress of disinfection and disinfection by-products in China. <i>Journal of Environmental Sciences</i> , 2019 , 81, 52-67	6.4	30
68	Simple and Efficient Synthesis of Anithiactins A-C, Thiasporine A and Their Potent Antitumor 2,4-Linked Oligothiazole Derivatives. <i>ChemistrySelect</i> , 2019 , 4, 742-746	1.8	2
67	The Structural Revision and Total Synthesis of Carambolaflavone A. <i>Journal of Organic Chemistry</i> , 2018 , 83, 4111-4118	4.2	9
66	Method to build 2,4-substituted selenazole from β -zido diselenide and carboxylic acid: A formal synthesis of selenazofurin. <i>Tetrahedron</i> , 2018 , 74, 3061-3068	2.4	8
65	One-Pot Enantiomeric Synthesis of Thiazole-Containing Amino Acids: Total Synthesis of Venturamides A and B. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3897-3905	4.2	12
64	Synthesis and anti-inflammatory activity of gold-nanoparticle bearing a dermatan sulfate disaccharide analog. <i>Chinese Chemical Letters</i> , 2018 , 29, 81-83	8.1	5
63	Design and synthesis of selenazole-substituted ritonavir analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 2379-2381	2.9	8
62	Stereoselective synthesis of β -synargentolide B. <i>Tetrahedron Letters</i> , 2018 , 59, 291-294	2	8
61	Preliminary investigation on cytotoxicity of fluorinated polymer nanoparticles. <i>Journal of Environmental Sciences</i> , 2018 , 69, 217-226	6.4	14
60	The chlorination transformation characteristics of benzophenone-4 in the presence of iodide ions. <i>Journal of Environmental Sciences</i> , 2017 , 58, 93-101	6.4	2

59	Differential expression of ST6GAL1 in the tumor progression of colorectal cancer. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 486, 1090-1096	3.4	14
58	Synthesis of trisaccharide-coated magnetic nanoparticles for antibody removal. <i>Tetrahedron</i> , 2017 , 73, 2949-2955	2.4	2
57	Fluorographene as a Mass Spectrometry Probe for High-Throughput Identification and Screening of Emerging Chemical Contaminants in Complex Samples. <i>Analytical Chemistry</i> , 2017 , 89, 1307-1314	7.8	43
56	Chiron approach for the total synthesis of (+)-synargentolide B. <i>Tetrahedron</i> , 2017 , 73, 6443-6447	2.4	6
55	Efficient One-Pot Synthesis of 2,4-Disubstituted Thiazoles and Dimeric Thiazoles Directly from Acyl Chlorides and β -Azido Disulfides. <i>Synthesis</i> , 2017 , 49, 4876-4886	2.9	4
54	Enantioselectivity of D-amino acid oxidase in the presence of ionic liquids. <i>RSC Advances</i> , 2017 , 7, 34110-34117	3.7	3
53	Acute toxicity variation of hydroxyl benzophenone UV filters during photoinduction-chlorination disinfection processes. <i>Journal of Environmental Sciences</i> , 2017 , 54, 48-55	6.4	5
52	Transformation pathways and acute toxicity variation of 4-hydroxyl benzophenone in chlorination disinfection process. <i>Chemosphere</i> , 2016 , 154, 491-498	8.4	12
51	Oxidation of cefazolin by potassium permanganate: Transformation products and plausible pathways. <i>Chemosphere</i> , 2016 , 149, 279-85	8.4	19
50	Genotoxicity of quinolone antibiotics in chlorination disinfection treatment: formation and QSAR simulation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20637-20645	5.1	8
49	Oxidative transformation of levofloxacin by β MnO ₂ : products, pathways and toxicity assessment. <i>Chemosphere</i> , 2015 , 119, 282-288	8.4	33
48	Identification of two novel brominated contaminants in water samples by ultra-high performance liquid chromatography-Orbitrap Fusion Tribrid mass spectrometer. <i>Journal of Chromatography A</i> , 2015 , 1377, 92-9	4.5	50
47	The potential risk assessment for different arsenic species in the aquatic environment. <i>Journal of Environmental Sciences</i> , 2015 , 27, 1-8	6.4	15
46	Effects of co-exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin and polychlorinated biphenyls on nonalcoholic fatty liver disease in mice. <i>Environmental Toxicology</i> , 2015 , 30, 1364-74	4.2	14
45	Characterization of Three Tetrabromobisphenol-S Derivatives in Mollusks from Chinese Bohai Sea: A Strategy for Novel Brominated Contaminants Identification. <i>Scientific Reports</i> , 2015 , 5, 11741	4.9	17
44	Synthesis and affinities of C3-symmetric thioglycoside-containing trimannosides. <i>Carbohydrate Research</i> , 2015 , 412, 56-65	2.9	4
43	Synthesis and Biological Activities of 5-Thio- β GalCers. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 476-80	4.3	17
42	Predicted no-effect concentrations for mercury species and ecological risk assessment for mercury pollution in aquatic environment. <i>Journal of Environmental Sciences</i> , 2015 , 28, 74-80	6.4	14

41	Total Syntheses of Cochliomycin B and Zeaenol. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 2092-2098	2.2	22
40	Genotoxicity of quinolones: substituents contribution and transformation products QSAR evaluation using 2D and 3D models. <i>Chemosphere</i> , 2014 , 95, 220-6	8.4	61
39	Concise synthesis of 2,4-disubstituted thiazoles from azido disulfides and carboxylic acids or anhydrides: asymmetric synthesis of cystothiazole C. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 8453-61	3.9	21
38	The first convergent total synthesis of penarolide sulfate A2, a novel β -glucosidase inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2071-9	3.9	8
37	Total synthesis of (R)-petrosiol E. <i>Tetrahedron</i> , 2014 , 70, 8231-8235	2.4	4
36	A toxicity-based method for evaluating safety of reclaimed water for environmental reuses. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1961-9	6.4	20
35	Acute toxicity evaluation for quinolone antibiotics and their chlorination disinfection processes. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1837-42	6.4	29
34	Total synthesis of ribisin A. <i>Tetrahedron Letters</i> , 2014 , 55, 959-961	2	8
33	Augmented atherogenesis in ApoE-null mice co-exposed to polychlorinated biphenyls and 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 2014 , 276, 136-46	4.6	14
32	Synthesis of Neu5Ac- β -galactopyranosyl-functionalized magnetic nanoparticles via click chemistry. <i>Tetrahedron</i> , 2013 , 69, 7300-7307	2.4	5
31	Prediction of the binding modes between macrolactin N and peptide deformylase from <i>Staphylococcus aureus</i> by molecular docking and molecular dynamics simulations. <i>Medicinal Chemistry Research</i> , 2013 , 22, 2889-2901	2.2	12
30	Synthesis of 5-Thio-D- Galactopyranose. <i>Journal of Carbohydrate Chemistry</i> , 2013 , 32, 240-248	1.7	3
29	Total synthesis of (R)-isoalthalactone. <i>Science China Chemistry</i> , 2013 , 56, 928-932	7.9	12
28	Transformation mechanism of benzophenone-4 in free chlorine promoted chlorination disinfection. <i>Water Research</i> , 2013 , 47, 6223-33	12.5	43
27	A fluorescein-based probe with high selectivity and sensitivity for sulfite detection in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 1196-1200	8.5	66
26	An efficient preparation of 2-alkyl-oxazoles from 2-iodooxazoles. <i>Tetrahedron Letters</i> , 2013 , 54, 4045-4048	4.8	0
25	A concise total synthesis of (+)-pyrenolide D. <i>Tetrahedron Letters</i> , 2013 , 54, 3278-3280	2	16
24	Total synthesis of (-)-orthodiffenes A and C. <i>Journal of Organic Chemistry</i> , 2012 , 77, 9718-23	4.2	21

- 23 One-pot synthesis of 2,4-disubstituted thiazoline from Eazido disulfide and carboxylic acid. *Journal of Organic Chemistry*, **2012**, 77, 7108-13 4.2 21
- 22 3D-QSAR and molecular docking studies of hydroxamic acids as peptide deformylase inhibitors. *Medicinal Chemistry Research*, **2012**, 21, 1597-1610 2.2 7
- 21 Highly sensitive and selective chemosensor for Cu²⁺ detection based on a N-propargyl rhodamine 6G-hydrazide derivative. *Science China Chemistry*, **2012**, 55, 626-631 7.9 5
- 20 An alternative total synthesis of solamargine. *Science China Chemistry*, **2012**, 55, 1247-1251 7.9 7
- 19 A carbohydrate modified fluoride ion sensor and its applications. *Analytica Chimica Acta*, **2011**, 703, 219-225 8.5 51
- 18 Design and application of Fe³⁺ probe for naked-eye colorimetric detection in fully aqueous system. *Sensors and Actuators B: Chemical*, **2011**, 160, 1316-1321 8.5 32
- 17 Efficient and selective removal of chloroacetyl group promoted with tetra-n-butylammonium fluoride (TBAF). *Carbohydrate Research*, **2011**, 346, 2801-4 2.9 11
- 16 New rhodamine derivative as OFF-ON fluorescent chemosensor for detection of Cu²⁺. *Science China Chemistry*, **2011**, 54, 1635-1639 7.9 5
- 15 Total synthesis of solamargine. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 2930-3 2.9 27
- 14 Synthesis of the pentasaccharide repeating unit of Escherichia coli O128 antigen. *Carbohydrate Research*, **2010**, 345, 2272-6 2.9 8
- 13 Total synthesis of apigenin-4'-yl 2-O-(p-coumaroyl)-D-glucopyranoside. *Carbohydrate Research*, **2010**, 345, 2714-7 2.9 4
- 12 The associations between the environmental exposure to polychlorinated biphenyls (PCBs) and breast cancer risk and progression. *Science China Chemistry*, **2010**, 53, 974-979 7.9 8
- 11 Synthesis of four oligosaccharides derived from Paris polyphylla var. yunnanensis and their tobacco (Nicotiana tabacum L.) growth-regulatory activity. *Plant Growth Regulation*, **2010**, 60, 69-75 3.2 4
- 10 Total synthesis of a furostan saponin, timosaponin BII. *Organic and Biomolecular Chemistry*, **2009**, 7, 3112-3 3.9 16
- 9 Selective cleavage of sugar anomeric O-acyl groups using FeCl₃·6H₂O. *Tetrahedron Letters*, **2008**, 49, 5488-5491 2 14
- 8 Facile synthesis of (+/-)-paeonilide. *Journal of Organic Chemistry*, **2007**, 72, 3952-4 4.2 15
- 7 Synthesis of sporiolide B from D-glucal. *Carbohydrate Research*, **2007**, 342, 1405-11 2.9 13
- 6 Facile synthesis of cleistetroside-2, a partially acetylated oligorhamnoside from Cleistopholis glauca and patens. *Carbohydrate Research*, **2007**, 342, 1496-501 2.9 11

5	The first total synthesis of sporiolide A. <i>Journal of Organic Chemistry</i> , 2006 , 71, 8446-51	4.2	21
4	Stereoselective synthesis of cytotoxic anhydrophytosphingosine pachastrissamine (jaspine B) from D-xylose. <i>Journal of Organic Chemistry</i> , 2006 , 71, 1251-3	4.2	54
3	Stereoselective synthesis of jaspine B from D-xylose. <i>Carbohydrate Research</i> , 2006 , 341, 2653-7	2.9	41
2	Facile synthesis of saponins containing 2,3-branched oligosaccharides by using partially protected glycosyl donors. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5497-500	4.2	47
1	Synthesis of saponins using partially protected glycosyl donors. <i>Organic Letters</i> , 2003 , 5, 3627-30	6.2	46