## Peng Yu

## List of Publications by Year in descending order

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257101 288905 2,229 115 24 40 citations h-index g-index papers 117 117 117 3143 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Composition design and medical application of liposomes. European Journal of Medicinal Chemistry, 2019, 164, 640-653.	2.6	367
2	Natural Prenylchalconaringenins and Prenylnaringenins as Antidiabetic Agents: α-Glucosidase and α-Amylase Inhibition and in Vivo Antihyperglycemic and Antihyperlipidemic Effects. Journal of Agricultural and Food Chemistry, 2017, 65, 1574-1581.	2.4	86
3	Synthesis and anti-cancer activity evaluation of novel prenylated and geranylated chalcone natural products and their analogs. European Journal of Medicinal Chemistry, 2015, 92, 439-448.	2.6	77
4	The cooperation of Fe <sub>3</sub> C nanoparticles with isolated single iron atoms to boost the oxygen reduction reaction for Zn–air batteries. Journal of Materials Chemistry A, 2021, 9, 6831-6840.	5.2	59
5	Discovery of Myricetin as a Potent Inhibitor of Human Flap Endonuclease 1, Which Potentially Can Be Used as Sensitizing Agent against HT-29 Human Colon Cancer Cells. Journal of Agricultural and Food Chemistry, 2019, 67, 1656-1665.	2.4	54
6	Synthesis and anti-cancer activity evaluation of 5-(2-carboxyethenyl)-isatin derivatives. European Journal of Medicinal Chemistry, 2016, 112, 145-156.	2.6	52
7	Synthesis, α-glucosidase inhibitory and molecular docking studies of prenylated and geranylated flavones, isoflavones and chalcones. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4567-4571.	1.0	50
8	Design, synthesis and in vitro cytotoxicity evaluation of 5-(2-carboxyethenyl)isatin derivatives as anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 591-594.	1.0	48
9	Chemosensitizing effect of Paris Saponin I on Camptothecin and 10-hydroxycamptothecin in lung cancer cells via p38 MAPK, ERK, and Akt signaling pathways. European Journal of Medicinal Chemistry, 2017, 125, 760-769.	2.6	46
10	Synthesis of 6-hydroxyaurone analogues and evaluation of their α-glucosidase inhibitory and glucose consumption-promoting activity: Development of highly active 5,6-disubstituted derivatives. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3226-3230.	1.0	41
11	Prohibitin ligands: a growing armamentarium to tackle cancers, osteoporosis, inflammatory, cardiac and neurological diseases. Cellular and Molecular Life Sciences, 2020, 77, 3525-3546.	2.4	40
12	New insights into the biological activities of Chrysanthemum morifolium: Natural flavonoids alleviate diabetes by targeting $\hat{l}_{\pm}$ -glucosidase and the PTP-1B signaling pathway. European Journal of Medicinal Chemistry, 2019, 178, 108-115.	2.6	39
13	Inhibitory activity evaluation and mechanistic studies of tetracyclic oxindole derivatives as α-glucosidase inhibitors. European Journal of Medicinal Chemistry, 2016, 123, 365-378.	2.6	37
14	Poly ethylene glycol (PEG)-Related controllable and sustainable antidiabetic drug delivery systems. European Journal of Medicinal Chemistry, 2021, 217, 113372.	2.6	35
15	Curcumin Attenuates <i>N</i> -Nitrosodiethylamine-Induced Liver Injury in Mice by Utilizing the Method of Metabonomics. Journal of Agricultural and Food Chemistry, 2017, 65, 2000-2007.	2.4	33
16	Na+-K+-ATPase and nka genes in spotted sea bass (Lateolabrax maculatus) and their involvement in salinity adaptation. Comparative Biochemistry and Physiology Part A, Molecular & Emp; Integrative Physiology, 2019, 235, 69-81.	0.8	32
17	A rat model of chronic subdural hematoma: Insight into mechanisms of revascularization and inflammation. Brain Research, 2015, 1625, 84-96.	1.1	30
18	Overdose Intake of Curcumin Initiates the Unbalanced State of Bodies. Journal of Agricultural and Food Chemistry, 2016, 64, 2765-2771.	2.4	30

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19	Strategic C–C Bond-Forming Dearomatization of Pyridines and Quinolines. Organic Letters, 2019, 21, 4459-4463.	2.4	30
20	Separation of Sources of Seasonal Uplift in China Using Independent Component Analysis of GNSS Time Series. Journal of Geophysical Research: Solid Earth, 2019, 124, 11951-11971.	1.4	29
21	Strategic Approach to 8-Azacoumarins. Organic Letters, 2017, 19, 984-987.	2.4	28
22	Targeting prohibitin with small molecules to promote melanogenesis and apoptosis in melanoma cells. European Journal of Medicinal Chemistry, 2018, 155, 880-888.	2.6	28
23	Rescue of defective MC4R cell-surface expression and signaling by a novel pharmacoperone lpsen 17. Journal of Molecular Endocrinology, 2014, 53, 17-29.	1.1	26
24	Multivalent S-sialoside protein conjugates block influenza hemagglutinin and neuraminidase. Carbohydrate Research, 2016, 435, 68-75.	1.1	26
25	Multivalent oleanolic acid human serum albumin conjugate as nonglycosylated neomucin for influenza virus capture and entry inhibition. European Journal of Medicinal Chemistry, 2018, 143, 1723-1731.	2.6	25
26	Paris Saponin II induced apoptosis via activation of autophagy in human lung cancer cells. Chemico-Biological Interactions, 2016, 253, 125-133.	1.7	23
27	Inhibitor of the human telomerase reverse trancriptase (hTERT) gene promoter induces cell apoptosis via a mitochondrial-dependent pathway. European Journal of Medicinal Chemistry, 2018, 145, 370-378.	2.6	23
28	Atomically Dispersed Fe–N <sub>3</sub> C Sites Induce Asymmetric Electron Structures to Afford Superior Oxygen Reduction Activity. Small, 2022, 18, e2201255.	5.2	23
29	Copper-catalyzed direct trifluoromethylthiolation of indoles by <i>tert</i> -butyl 2-((trifluoromethyl)sulfonyl)hydrazine-1-carboxylate. Organic Chemistry Frontiers, 2018, 5, 3088-3092.	2.3	22
30	Access to 8-Azachromones via Activation of C–H in <i>N</i> li>Oxides. Journal of Organic Chemistry, 2017, 82, 11275-11287.	1.7	21
31	Synthesis and cytotoxic studies of novel 5-phenylisatin derivatives and their anti-migration and anti-angiogenic evaluation. European Journal of Medicinal Chemistry, 2018, 156, 800-814.	2.6	21
32	Metal- and base-free regioselective thiolation of the methyl C(sp <sup>3</sup> )–H bond in 2-picoline <i>N</i> -oxides. Green Chemistry, 2019, 21, 157-163.	4.6	21
33	Design, synthesis and docking study of novel tetracyclic oxindole derivatives as α-glucosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1471-1475.	1.0	19
34	Total synthesis of 8-(6″-umbelliferyl)-apigenin and its analogs as anti-diabetic reagents. European Journal of Medicinal Chemistry, 2016, 122, 674-683.	2.6	19
35	Synthesis and antioxidant evaluation of desmethylxanthohumol analogs and their dimers. European Journal of Medicinal Chemistry, 2017, 125, 335-345.	2.6	19
36	Recent advances in the development of cyclin-dependent kinase 7Âinhibitors. European Journal of Medicinal Chemistry, 2019, 183, 111641.	2.6	19

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37	Synthesis of Substituted Pyrroles via Copperâ€Catalyzed Cyclization of Ethyl Allenoates with Activated Isocyanides. Chemistry - an Asian Journal, 2016, 11, 2121-2125.	1.7	18
38	Synthesis & Description of Synthesis & Descript	1.1	18
39	Morphology Effect of NiSe Hierarchical Microspheres on the Performance of Dye-Sensitized Solar Cells. ACS Applied Nano Materials, 2018, 1, 4900-4909.	2.4	18
40	Anti-tubulin agent vinorelbine inhibits metastasis of cancer cells by regulating epithelial-mesenchymal transition. European Journal of Medicinal Chemistry, 2020, 200, 112332.	2.6	18
41	Cyclodextrins based delivery systems for macro biomolecules. European Journal of Medicinal Chemistry, 2021, 212, 113105.	2.6	18
42	Utilization of metabonomics to identify serum biomarkers in murine H22 hepatocarcinoma and deduce antitumor mechanism of Rhizoma Paridis saponins. Chemico-Biological Interactions, 2016, 256, 55-63.	1.7	17
43	Combination treatment with Rhizoma Paridis and Rhizoma Curcuma longa extracts and 10-hydroxycamptothecin enhances the antitumor effect in H22 tumor model by increasing the plasma concentration. Biomedicine and Pharmacotherapy, 2016, 83, 627-634.	2.5	17
44	Polyvalent effect enhances diglycosidic antiplasmodial activity. European Journal of Medicinal Chemistry, 2016, 121, 640-648.	2.6	16
45	Divalent oseltamivir analogues as potent influenza neuraminidase inhibitors. Carbohydrate Research, 2019, 477, 32-38.	1.1	16
46	N-acetylgalactosamine-decorated nanoliposomes for targeted delivery of paclitaxel to hepatocellular carcinoma. European Journal of Medicinal Chemistry, 2021, 222, 113605.	2.6	15
47	Metabolic regulatory network alterations reveal different therapeutic effects of cisplatin and Rhizoma paridis saponins in Lewis pulmonary adenoma mice. RSC Advances, 2016, 6, 115029-115038.	1.7	14
48	Synthesis and immunogenicity of PG-tb1 monovalent glycoconjugate. European Journal of Medicinal Chemistry, 2017, 134, 140-146.	2.6	14
49	Synthesis and anti-oxidant activity evaluation of $(\hat{A}\pm)$ -Anastatins A, B and their analogs. European Journal of Medicinal Chemistry, 2017, 138, 577-589.	2.6	14
50	Fluorescent Neomannosyl Bovine Serum Albumin as Efficient Probe for Mannose Receptor Imaging and MCF-7 Cancer Cell Targeting. ACS Applied Nano Materials, 2018, 1, 1058-1065.	2.4	14
51	Robust Kalman Filtering Based on Chi-square Increment and Its Application. Remote Sensing, 2020, 12, 732.	1.8	14
52	Thiosialoside-decorated polymers use a two-step mechanism to inhibit both early and late stages of influenza virus infection. European Journal of Medicinal Chemistry, 2020, 199, 112357.	2.6	14
53	5-(2-Carboxyethenyl) isatin derivative induces G2/M cell cycle arrest and apoptosis in human leukemia K562 cells. Biochemical and Biophysical Research Communications, 2014, 450, 1650-1655.	1.0	13
54	Multivalent zanamivir-bovine serum albumin conjugate as a potent influenza neuraminidase inhibitor. Journal of Carbohydrate Chemistry, 2017, 36, 235-246.	0.4	13

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55	One-Pot Selective Saturation and Functionalization of Heteroaromatics Leading to Dihydropyridines and Dihydroquinolines. Journal of Organic Chemistry, 2020, 85, 5027-5037.	1.7	13
56	Characteristics of the BDS-3 multipath effect and mitigation methods using precise point positioning. GPS Solutions, 2022, 26, 1.	2.2	13
57	1,4-Addition Ugi Reaction Using Cyclic $\hat{l}_{\pm},\hat{l}^2$ -Unsaturated Ketone as Substrate. Organic Letters, 2016, 18, 5038-5041.	2.4	12
58	3′-Geranyl-mono-substituted chalcone Xanthoangelovl induces apoptosis in human leukemia K562Âcells via activation of mitochondrial pathway. Chemico-Biological Interactions, 2017, 261, 103-107.	1.7	12
59	Synthesis and biological evaluation of novel <i>N</i> â€arylâ€ <i>ï‰</i> â€(benzoazolâ€2â€yl)â€sulfanylalkanami dual inhibitors of αâ€glucosidase and protein tyrosine phosphatase 1B. Chemical Biology and Drug Design, 2018, 92, 1647-1656.	des as 1.5	12
60	SFPH proteins as therapeutic targets for a myriad of diseases. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127600.	1.0	12
61	Synthesis and immunogenicity of the <i>Mycobacterium tuberculosis</i> arabinomannan–CRM197 conjugate. MedChemComm, 2019, 10, 543-553.	3.5	11
62	Synergy between vinorelbine and afatinib in the inhibition of non-small cell lung cancer progression by EGFR and p53 signaling pathways. Biomedicine and Pharmacotherapy, 2021, 134, 111144.	2.5	11
63	Paris saponin I inhibits proliferation and promotes apoptosis through down-regulating AKT activity in human non-small-cell lung cancer cells and inhibiting ERK expression in human small-cell lung cancer cells. RSC Advances, 2016, 6, 70816-70824.	1.7	10
64	Access to Furo[2,3―b] pyridines by Transitionâ€Metalâ€Free Intramolecular Cyclization of C3â€substituted Pyridine N â€oxides. Asian Journal of Organic Chemistry, 2018, 7, 879-882.	1.3	10
65	Antioxidant properties of flavonoid derivatives and their hepatoprotective effects on CCI <sub>4</sub> induced acute liver injury in mice. RSC Advances, 2018, 8, 15366-15371.	1.7	10
66	Catalyst-free three-component synthesis of highly functionalized 2,3-dihydropyrroles. Green Chemistry, 2018, 20, 2775-2780.	4.6	10
67	An Advanced Multipath Mitigation Method Based on Trend Surface Analysis. Remote Sensing, 2020, 12, 3601.	1.8	10
68	Recent advances in the synthesis of 2,3-dihydropyrroles. Chemical Communications, 2020, 56, 5584-5592.	2.2	10
69	Synthesis and Antiproliferatory Activities Evaluation of Multi-Substituted Isatin Derivatives. Molecules, 2021, 26, 176.	1.7	10
70	Synthesis of 6―or 8â€Bromo Flavonoids by Regioselective Monoâ€Bromination and Deprotection Protocol from Flavonoid Alkyl Ethers. Bulletin of the Korean Chemical Society, 2015, 36, 1460-1466.	1.0	9
71	First Total Synthesis and Cytotoxicity of Naturally Occurring Lespedezol E1. Chemistry of Natural Compounds, 2016, 52, 896-898.	0.2	9
72	Low toxic and high soluble camptothecin derivative 2–47 effectively induces apoptosis of tumor cells inÂvitro. Biochemical and Biophysical Research Communications, 2016, 472, 477-481.	1.0	9

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73	Prediction of the mechanisms of action of Zhibai Dihaung Granule in cisplatin-induced acute kidney injury: A network pharmacology study and experimental validation. Journal of Ethnopharmacology, 2022, 292, 115241.	2.0	9
74	Synthesis and biological evaluation of novel saccharin derivatives containing 1,2,3-triazole moiety. Chemical Research in Chinese Universities, 2015, 31, 71-77.	1.3	8
75	Synthesis of S-sialyl polymers as efficient polyvalent influenza inhibitors and capturers. Journal of Carbohydrate Chemistry, 2018, 37, 18-29.	0.4	8
76	Effects of an isatin derivative on tumor cell migration and angiogenesis. RSC Advances, 2020, 10, 1191-1197.	1.7	8
77	Synthesis of indole inhibitors of silent information regulator 1 (SIRT1), and their evaluation as cytotoxic agents. European Journal of Medicinal Chemistry, 2020, 202, 112561.	2.6	8
78	Optimal Wavelength Selection for Hyperspectral Imaging Evaluation on Vegetable Soybean Moisture Content during Drying. Applied Sciences (Switzerland), 2019, 9, 331.	1.3	7
79	Efficient chemoenzymatic synthesis of fluorinated sialyl Thomsen–Friedenreich antigens and investigation of their characteristics. European Journal of Medicinal Chemistry, 2020, 208, 112776.	2.6	7
80	Slc4 Gene Family in Spotted Sea Bass (Lateolabrax maculatus): Structure, Evolution, and Expression Profiling in Response to Alkalinity Stress and Salinity Changes. Genes, 2020, 11, 1271.	1.0	7
81	Synthesis of tetracyclic oxindoles and evaluation of their α-glucosidase inhibitory and glucose consumption-promoting activity. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127264.	1.0	7
82	Losartan Alleviates the Side Effects and Maintains the Anticancer Activity of Axitinib. Molecules, 2022, 27, 2764.	1.7	7
83	Novel amphiphilic PEG-hydroxycamptothecin conjugates as glutathione-responsive prodrug nanocapsules for cancer chemotherapy. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	6
84	Accessing 1,8â€Naphthyridones by Metalâ€Free Regioselective Amination of Pyridine N â€oxides/Acidâ€Mediated Cyclization. Advanced Synthesis and Catalysis, 2020, 362, 3841-3845.	2.1	6
85	Peptide Modified Albumin–Paclitaxel Nanoparticles for Improving Chemotherapy and Preventing Metastasis. Macromolecular Bioscience, 2022, 22, e2100404.	2.1	6
86	A self-adjuvanting anti-tumor nanoliposomal vaccine based on fluorine-substituted MUC1 glycopeptide. Chemical Communications, 2022, 58, 8642-8645.	2.2	6
87	Modification of bovine serum albumin with aminophenylboronic acid as glycan sensor based on surface plasmon resonance and isothermal titration calorimetry. Heterocyclic Communications, 2017, 23, 237-243.	0.6	5
88	Stereoselective Four-Component Synthesis of Functionalized 2,3-Dihydro-4-Nitropyrroles. Frontiers in Chemistry, 2019, 7, 810.	1.8	5
89	Preparation, characterization, antioxidant evaluation of new curcumin derivatives and effects of forming HSA-bound nanoparticles on the stability and activity. European Journal of Medicinal Chemistry, 2020, 207, 112798.	2.6	5
90	Guanidinothiosialoside-Human Serum Albumin Conjugate Mimics mucin Barrier to Restrict Influenza Infection. International Journal of Biological Macromolecules, 2020, 162, 84-91.	3.6	5

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91	Chemoenzymatic synthesis and biological evaluation of ganglioside GM3 and lyso-GM3 as potential agents for cancer therapy. Carbohydrate Research, 2021, 509, 108431.	1.1	5
92	Co-delivery of F7 and crizotinib by thermosensitive liposome for breast cancer treatment. Journal of Liposome Research, 2022, 32, 265-275.	1.5	5
93	Synthesis and Biological Evaluation of Novel Water-Soluble Poly-(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	10 Tf 50 6	62 <sub>4</sub> Td (glyco
94	5-Acetamido-1-(methoxybenzyl) isatin inhibits tumor cell proliferation, migration, and angiogenesis. RSC Advances, 2019, 9, 36690-36698.	1.7	4
95	Synthesis of natural 3′-Prenylchalconaringenin and biological evaluation of ameliorating non-alcoholic fatty liver disease and metabolic syndrome. European Journal of Medicinal Chemistry, 2020, 205, 112649.	2.6	4
96	Antioxidant activities of anastatin A & B derivatives and compound 38c's protective effect in a mouse model of CCl4-induced acute liver injury. RSC Advances, 2020, 10, 14337-14346.	1.7	4
97	Four new fatty acid derivatives from <i>Diaporthe</i> sp. T24, an endophytic fungus isolated from <i>Ligularia fischer</i> Journal of Asian Natural Products Research, 2022, 24, 603-616.	0.7	4
98	Benzothiazole derivatives upregulate SIRT1 and relevant genes in high-fat fed C57BL/6J mice. Medicinal Chemistry Research, 2015, 24, 2454-2460.	1.1	3
99	Total synthesis of I3,II8-biapigenin and ridiculuflavone A. Organic Chemistry Frontiers, 2017, 4, 578-586.	2.3	3
100	2â€(2â€nitrobenzylidene) indolinâ€3â€one compound inhibits transmembrane prostate androgenâ€induced protein ( <scp>TMEPAI</scp> ) expression and cancer cell proliferation. Cell Proliferation, 2018, 51, e12469.	2.4	2
101	Total synthesis of wikstrol A and wikstrol B. Organic and Biomolecular Chemistry, 2019, 17, 8206-8213.	1.5	2
102	Effects of crude extracellular protein and crude intracellular polysaccharides of Vibrio alginolyticuson the growth, energy metabolism regulation and WSSV resistance of Litopenaeus vannamei. Aquaculture Nutrition, 2019, 25, 56-65.	1.1	2
103	Identification, expression analysis, and functional characterization of ghrelin and its receptors in spotted sea bass (Lateolabrax maculatus). Marine Life Science and Technology, 2020, 2, 349-359.	1.8	2
104	Rhodium-catalyzed iminoiodane-mediated oxyamidation studies of 5-vinyluracil derivatives using aryl and alkyl sulfamates. Organic and Biomolecular Chemistry, 2020, 18, 7414-7424.	1.5	2
105	Facile and Efficient Synthesis of Tri―and Tetrasubstituted 7â€Azabenzofuran Derivatives. Asian Journal of Organic Chemistry, 2020, 9, 749-752.	1.3	2
106	Synthesis and immunogenicity of Brucella monovalent neoglycoconjugate. Carbohydrate Research, 2021, 499, 108196.	1.1	2
107	Genome-Wide Characterization of Aquaporins (aqps) in Lateolabrax maculatus: Evolution and Expression Patterns During Freshwater Acclimation. Marine Biotechnology, 2021, 23, 696-709.	1.1	2
108	Ice-bentonite powder mixing method to improve the homogeneity of compacted bentonite in an initial sample preparation stage. Clays and Clay Minerals, 2016, 64, 706-718.	0.6	1

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109	Mechanism and origin of stereoselectivity in Robinson annulations leading to bicyclo[3.3.1]nonanes: a rare Curtin–Hammet scenario. Journal of Physical Organic Chemistry, 2017, 30, e3595.	0.9	1
110	Synthesis of Rottlerone Analogues and Evaluation of Their $\hat{l}_{\pm}$ -Glucosidase and DPP-4 Dual Inhibitory and Glucose Consumption-Promoting Activity. Molecules, 2021, 26, 1024.	1.7	1
111	Anastatin Derivatives Alleviate Myocardial Ischemia-Reperfusion Injury via Antioxidative Properties. Molecules, 2021, 26, 4779.	1.7	1
112	Design, synthesis and biological activity evaluation of novel antibacterial agent (E)-1-(4-chlorobenzyl)-5-styrylindoline-2, 3-dione., 2011,,.		0
113	Design, synthesis and bioactivity of ethyl 2-((1-methyl-2, 3-dioxoindolin-5-yl) methoxy) acetate., 2011,,.		0
114	Design and synthesis of the novel antibacterial agent 8-bromo-1,1-dimethyl-1,3,4,9-tetrahydropyrano[3,4-b]indole and its derivatives. , 2012, , .		0
115	Flavaglines: Discovery From Plants Used in Traditional Chinese Medicine, Synthesis and Drug Development against Cancer and Immune Disorders. Current Chinese Chemistry, 2021, 01, .	0.3	0