

Guocan Yu

List of Publications by Year in descending order

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110
papers

9,655
citations

53794

45
h-index

36028

97
g-index

113
all docs

113
docs citations

113
times ranked

8168
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Amphiphiles Based on Host-Guest Molecular Recognition Motifs. <i>Chemical Reviews</i> , 2015, 115, 7240-7303.	47.7	869
2	Supramolecular chemotherapy based on host-guest molecular recognition: a novel strategy in the battle against cancer with a bright future. <i>Chemical Society Reviews</i> , 2017, 46, 7021-7053.	38.1	556
3	Characterization of supramolecular gels. <i>Chemical Society Reviews</i> , 2013, 42, 6697.	38.1	529
4	Pillar[6]arene/Paraquat Molecular Recognition in Water: High Binding Strength, pH-Responsiveness, and Application in Controllable Self-Assembly, Controlled Release, and Treatment of Paraquat Poisoning. <i>Journal of the American Chemical Society</i> , 2012, 134, 19489-19497.	13.7	448
5	Pillar[6]arene-Based Photoresponsive Host-Guest Complexation. <i>Journal of the American Chemical Society</i> , 2012, 134, 8711-8717.	13.7	446
6	A Water-Soluble Pillar[6]arene: Synthesis, Host-Guest Chemistry, and Its Application in Dispersion of Multiwalled Carbon Nanotubes in Water. <i>Journal of the American Chemical Society</i> , 2012, 134, 13248-13251.	13.7	410
7	A Sugar-Functionalized Amphiphilic Pillar[5]arene: Synthesis, Self-Assembly in Water, and Application in Bacterial Cell Agglutination. <i>Journal of the American Chemical Society</i> , 2013, 135, 10310-10313.	13.7	306
8	A solvent-driven molecular spring. <i>Chemical Science</i> , 2012, 3, 3026.	7.4	257
9	Supramolecular cancer nanotheranostics. <i>Chemical Society Reviews</i> , 2021, 50, 2839-2891.	38.1	257
10	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , 2018, 140, 8005-8019.	13.7	227
11	Hierarchical Self-Assembly: Well-Defined Supramolecular Nanostructures and Metallohydrogels via Amphiphilic Discrete Organoplatinum(II) Metallacycles. <i>Journal of the American Chemical Society</i> , 2013, 135, 14036-14039.	13.7	216
12	Highly Emissive Self-Assembled BODIPY-Platinum Supramolecular Triangles. <i>Journal of the American Chemical Society</i> , 2018, 140, 7730-7736.	13.7	213
13	Antitumor Activity of a Unique Polymer That Incorporates a Fluorescent Self-Assembled Metallacycle. <i>Journal of the American Chemical Society</i> , 2017, 139, 15940-15949.	13.7	203
14	Polyrotaxane-based supramolecular theranostics. <i>Nature Communications</i> , 2018, 9, 766.	12.8	191
15	Organic Semiconducting Photoacoustic Nanodroplets for Laser-Activatable Ultrasound Imaging and Combinational Cancer Therapy. <i>ACS Nano</i> , 2018, 12, 2610-2622.	14.6	174
16	A non-symmetric pillar[5]arene-based selective anion receptor for fluoride. <i>Chemical Communications</i> , 2012, 48, 2958.	4.1	169
17	A Dual-Thermoresponsive Gemini-Type Supra-amphiphilic Macromolecular [3]Pseudorotaxane Based on Pillar[10]arene/Paraquat Cooperative Complexation. <i>Journal of the American Chemical Society</i> , 2016, 138, 3168-3174.	13.7	162
18	Tetraphenylethene-based highly emissive metallacage as a component of theranostic supramolecular nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13720-13725.	7.1	161

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19	A pillar[5]arene-based [2]rotaxane lights up mitochondria. <i>Chemical Science</i> , 2016, 7, 3017-3024.	7.4	153
20	Transformative Nanomedicine of an Amphiphilic Camptothecin Prodrug for Long Circulation and High Tumor Uptake in Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 8838-8848.	14.6	144
21	Formation of a Cyclic Dimer Containing Two Mirror Image Monomers in the Solid State Controlled by van der Waals Forces. <i>Organic Letters</i> , 2011, 13, 4818-4821.	4.6	140
22	Cationic pillar[6]arene/ATP host-guest recognition: selectivity, inhibition of ATP hydrolysis, and application in multidrug resistance treatment. <i>Chemical Science</i> , 2016, 7, 4073-4078.	7.4	139
23	Glutathione-Responsive Self-Assembled Magnetic Gold Nanowreath for Enhanced Tumor Imaging and Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , 2018, 12, 8129-8137.	14.6	131
24	Complexation between Pillar[5]arenes and a Secondary Ammonium Salt. <i>Organic Letters</i> , 2012, 14, 1712-1715.	4.6	130
25	A Pillararene-Based Ternary Drug-Delivery System with Photocontrolled Anticancer Drug Release. <i>Small</i> , 2015, 11, 919-925.	10.0	127
26	Pillar[5]arene-based amphiphilic supramolecular brush copolymers: fabrication, controllable self-assembly and application in self-imaging targeted drug delivery. <i>Polymer Chemistry</i> , 2016, 7, 6178-6188.	3.9	125
27	Photo-responsive self-assembly based on a water-soluble pillar[6]arene and an azobenzene-containing amphiphile in water. <i>Chemical Communications</i> , 2014, 50, 3606.	4.1	124
28	Fabrication of a Targeted Drug Delivery System from a Pillar[5]arene-Based Supramolecular Diblock Copolymeric Amphiphile for Effective Cancer Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 8999-9008.	14.9	115
29	Polymeric Nanoparticles with a Glutathione-Sensitive Heterodimeric Multifunctional Prodrug for In Vivo Drug Monitoring and Synergistic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7066-7070.	13.8	115
30	Syntheses of a pillar[4]arene[1]quinone and a difunctionalized pillar[5]arene by partial oxidation. <i>Chemical Communications</i> , 2012, 48, 9876.	4.1	114
31	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8110-8114.	13.8	107
32	Recent progress in macrocyclic amphiphiles and macrocyclic host-based supra-amphiphiles. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2152-2174.	5.9	102
33	Supramolecular enhancement of aggregation-induced emission and its application in cancer cell imaging. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6609-6617.	5.5	87
34	Water-Soluble Pillar[7]arene: Synthesis, pH-Controlled Complexation with Paraquat, and Application in Constructing Supramolecular Vesicles. <i>Organic Letters</i> , 2014, 16, 2066-2069.	4.6	77
35	Metal-free bioorthogonal click chemistry in cancer theranostics. <i>Chemical Society Reviews</i> , 2022, 51, 1336-1376.	38.1	76
36	A pillar[6]arene-based UV-responsive supra-amphiphile: synthesis, self-assembly, and application in dispersion of multiwalled carbon nanotubes in water. <i>Chemical Communications</i> , 2014, 50, 3993.	4.1	75

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37	Artificial Molecular Machines in Nanotheranostics. <i>ACS Nano</i> , 2018, 12, 7-12.	14.6	73
38	Supramolecular Nanomedicine Constructed from Cucurbit[8]uril-Based Amphiphilic Brush Copolymer for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44392-44401.	8.0	71
39	Proton Transfer in Host-Guest Complexation between a Difunctional Pillar[5]arene and Alkyldiamines. <i>Organic Letters</i> , 2014, 16, 2486-2489.	4.6	68
40	Synthesis of a water-soluble pillar[9]arene and its pH-responsive binding to paraquat. <i>Chemical Communications</i> , 2014, 50, 2841.	4.1	60
41	Redox-Responsive Amphiphilic Macromolecular [2]Pseudorotaxane Constructed from a Water-Soluble Pillar[5]arene and a Paraquat-Containing Homopolymer. <i>ACS Macro Letters</i> , 2015, 4, 996-999.	4.8	59
42	A supramolecular hybrid material constructed from graphene oxide and a pillar[6]arene-based host-guest complex as an ultrasound and photoacoustic signal nanoamplifier. <i>Materials Horizons</i> , 2018, 5, 429-435.	12.2	59
43	Synchronous Chemoradiation Nanovesicles by X-Ray Triggered Cascade of Drug Release. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8463-8467.	13.8	59
44	Targeted Co-delivery of PTX and TR3 siRNA by PTP Peptide Modified Dendrimer for the Treatment of Pancreatic Cancer. <i>Small</i> , 2017, 13, 1602697.	10.0	52
45	Host-guest interaction enhanced aggregation-induced emission and its application in cell imaging. <i>Chemical Communications</i> , 2016, 52, 5749-5752.	4.1	48
46	Synthesis of a Difunctionalized Pillar[6]arene and Its Complexation with an Ammonium Salt Coupled to a Weakly Coordinating Counteranion. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2529-2532.	2.4	46
47	A water-soluble biphen[3]arene: synthesis, host-guest complexation, and application in controllable self-assembly and controlled release. <i>Chemical Communications</i> , 2015, 51, 4188-4191.	4.1	43
48	A Hybrid Supramolecular Polymeric Nanomedicine for Cascade-Amplified Synergetic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	42
49	Fluorescence indicator displacement detection based on pillar[5]arene-assisted dye deprotonation. <i>Chemical Communications</i> , 2016, 52, 10016-10019.	4.1	41
50	Host-Guest Complexes of Carboxylated Pillar[n]arenes With Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3615-3625.	3.3	40
51	The synthesis, structure, and molecular recognition properties of a [2]calix[1]biphenyl-type hybrid[3]arene. <i>Chemical Communications</i> , 2016, 52, 1622-1624.	4.1	39
52	Synthesis of 1,4-Bis(n-propoxy)pillar[7]arene and Its Host-guest Chemistry. <i>Acta Chimica Sinica</i> , 2012, 70, 1775.	1.4	39
53	Construction of pillar[6]arene-based CO ₂ and UV dual-responsive supra-amphiphile and application in controlled self-assembly. <i>Chemical Communications</i> , 2016, 52, 3211-3214.	4.1	38
54	Supramolecular chemotherapeutic drug constructed from pillararene-based supramolecular amphiphile. <i>Chemical Communications</i> , 2018, 54, 8198-8201.	4.1	37

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55	Construction of a pillar[5]arene-based linear supramolecular polymer and a photo-responsive supramolecular network. <i>Polymer Chemistry</i> , 2014, 5, 6645-6650.	3.9	36
56	An enzyme-responsive supra-amphiphile constructed by pillar[5]arene/acetylcholine molecular recognition. <i>RSC Advances</i> , 2014, 4, 18763-18771.	3.6	32
57	Diagnostic Accuracy of the Xpert MTB/RIF Assay for Lymph Node Tuberculosis: A Systematic Review and Meta-Analysis. <i>BioMed Research International</i> , 2019, 2019, 1-12.	1.9	32
58	Diagnostic accuracy of the Xpert MTB/RIF assay for bone and joint tuberculosis: A meta-analysis. <i>PLoS ONE</i> , 2019, 14, e0221427.	2.5	31
59	Comparison between the diagnostic validities of Xpert MTB/RIF and interferon- γ release assays for tuberculous pericarditis using pericardial tissue. <i>PLoS ONE</i> , 2017, 12, e0188704.	2.5	31
60	A pillar[5]arene-based anion responsive supramolecular polymer. <i>RSC Advances</i> , 2013, 3, 16089.	3.6	30
61	A water-soluble pillar[10]arene: synthesis, pH-responsive host-guest complexation, and application in constructing a supra-amphiphile. <i>Organic Chemistry Frontiers</i> , 2014, 1, 630.	4.5	30
62	Pillar[10]arene-Based Size-Selective Host-Guest Complexation and Its Application in Tuning the LCST Behavior of a Thermoresponsive Polymer. <i>Macromolecular Rapid Communications</i> , 2015, 36, 23-30.	3.9	30
63	Cavity-Extended Pillar[5]arenes: Syntheses and Host-Guest Complexation with Paraquat and Bispyridinium Derivatives. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5902-5907.	2.4	29
64	Diagnostic accuracy of the loop-mediated isothermal amplification assay for extrapulmonary tuberculosis: A meta-analysis. <i>PLoS ONE</i> , 2018, 13, e0199290.	2.5	29
65	Carbon Nanotube/Biocompatible Bola-Amphiphile Supramolecular Biohybrid Materials: Preparation and Their Application in Bacterial Cell Agglutination. <i>Advanced Materials</i> , 2013, 25, 6373-6379.	21.0	28
66	Hydrophobic interactions in the pillar[5]arene-based host-guest complexation and their application in the inhibition of acetylcholine hydrolysis. <i>Tetrahedron Letters</i> , 2015, 56, 986-989.	1.4	26
67	AIE opens new applications in super-resolution imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7761-7765.	5.8	24
68	CapitalBio Mycobacterium real-time polymerase chain reaction detection test: Rapid diagnosis of Mycobacterium tuberculosis and nontuberculous mycobacterial infection. <i>International Journal of Infectious Diseases</i> , 2020, 98, 1-5.	3.3	24
69	A supramolecular polymer formed by the combination of crown ether-based and charge-transfer molecular recognition. <i>Polymer Chemistry</i> , 2013, 4, 882-886.	3.9	23
70	A dual-responsive supra-amphiphile based on a water-soluble pillar[7]arene and a naphthalene diimide-containing guest. <i>Chemical Communications</i> , 2015, 51, 7215-7218.	4.1	23
71	Metagenomic next generation sequencing for the diagnosis of tuberculosis meningitis: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2020, 15, e0243161.	2.5	23
72	Comparison of CapitalBio's Mycobacterium nucleic acid detection test and Xpert MTB/RIF assay for rapid diagnosis of extrapulmonary tuberculosis. <i>Journal of Microbiological Methods</i> , 2020, 168, 105780.	1.6	22

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73	Finely tuned Prussian blue-based nanoparticles and their application in disease treatment. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7121-7134.	5.8	22
74	A boron difluoride dye showing the aggregation-induced emission feature and high sensitivity to intra- and extra-cellular pH changes. <i>Chemical Communications</i> , 2016, 52, 541-544.	4.1	21
75	A cucurbit[7]uril-based supra-amphiphile: Photo-responsive self-assembly and application in controlled release. <i>Tetrahedron Letters</i> , 2017, 58, 1863-1867.	1.4	21
76	Comparison of the efficacy of metagenomic next-generation sequencing and Xpert MTB/RIF in the diagnosis of tuberculous meningitis. <i>Journal of Microbiological Methods</i> , 2021, 180, 106124.	1.6	20
77	Construction of a photo-responsive supra-amphiphile based on a tetracationic cyclobis(paraquat-p-phenylene) and an azobenzene-containing guest in water. <i>Chemical Communications</i> , 2016, 52, 6573-6576.	4.1	19
78	A cationic water-soluble biphen[3]arene: synthesis, host-guest complexation and fabrication of a supra-amphiphile. <i>RSC Advances</i> , 2016, 6, 77179-77183.	3.6	18
79	A Porphyrin-Based Discrete Tetragonal Prismatic Cage: Host-Guest Complexation and Its Application in Tuning Liquid-Crystalline Behavior. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1540-1547.	3.9	16
80	Comparison of the diagnostic efficacy of the CapitalBio Mycobacterium real-time polymerase chain reaction detection test and Xpert MTB/RIF in smear-negative pulmonary tuberculosis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 969-977.	2.9	16
81	Diagnostic accuracy of Mycobacterium tuberculosis cell-free DNA for tuberculosis: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0253658.	2.5	16
82	Proton transfer-assisted host-guest complexation between a difunctional pillar[5]arene and amine-based guests. <i>Tetrahedron Letters</i> , 2014, 55, 6274-6276.	1.4	14
83	Evaluation of the stability of cucurbit[8]uril-based ternary host-guest complexation in physiological environment and the fabrication of a supramolecular theranostic nanomedicine. <i>Journal of Nanobiotechnology</i> , 2021, 19, 330.	9.1	14
84	Dual-pH responsive host-guest complexation between a water-soluble pillar[9]arene and a 2,7-diazapyrenium salt. <i>Organic Chemistry Frontiers</i> , 2017, 4, 115-118.	4.5	12
85	Drug-eluting beads bronchial arterial chemoembolization as a neoadjuvant treatment for squamous non-small cell lung cancer. <i>Postgraduate Medicine</i> , 2020, 132, 568-571.	2.0	12
86	The bright future of nanotechnology in lymphatic system imaging and imaging-guided surgery. <i>Journal of Nanobiotechnology</i> , 2022, 20, 24.	9.1	12
87	Pillar[7]arene-based host-guest complex in water: dual-responsiveness and application in controllable self-assembly. <i>RSC Advances</i> , 2016, 6, 60029-60033.	3.6	9
88	Efficacy of Xpert MTB/RIF Ultra in diagnosing tuberculosis meningitis. <i>Medicine (United States)</i> , 2021, 100, e26778.	1.0	9
89	Diagnostic accuracy of the Xpert MTB/RIF assay for tuberculous pericarditis: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0257220.	2.5	9
90	Analotinib for refractory advanced non-small-cell lung cancer: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2020, 15, e0242982.	2.5	9

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91	Pillar[10]arene-based host-guest complexation promoted self-assembly: from nanoparticles to uniform giant vesicles. <i>RSC Advances</i> , 2016, 6, 40418-40421.	3.6	8
92	The Role of Core Needle Biopsy Pathology Combined with Molecular Tests in the Diagnosis of Lymph Node Tuberculosis. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 335-345.	2.7	8
93	Head-to-head comparison of the diagnostic value of five tests for constrictive tuberculous pericarditis. <i>International Journal of Infectious Diseases</i> , 2022, 120, 25-32.	3.3	8
94	A water-soluble hybrid[4]arene: synthesis, host-guest complexation and application in the construction of a supra-amphiphile. <i>New Journal of Chemistry</i> , 2016, 40, 4756-4760.	2.8	7
95	Comparison of the Diagnostic Accuracy of Xpert MTB/RIF and CapitalBio Mycobacterium RT-PCR Detection Assay for Tuberculous Pericarditis. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 2127-2135.	2.7	7
96	Diagnostic accuracy of nanopore sequencing using respiratory specimens in the diagnosis of pulmonary tuberculosis. <i>International Journal of Infectious Diseases</i> , 2022, 122, 237-243.	3.3	7
97	Diagnostic accuracy of the Xpert MTB/RIF assay for tuberculous pericarditis: A protocol of systematic review and meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0252109.	2.5	6
98	A Hybrid Supramolecular Polymeric Nanomedicine for Cascade-Amplified Synergetic Cancer Therapy. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
99	A diols-responsive triple-component supra-amphiphile constructed from pillar[5]arene-based recognition. <i>RSC Advances</i> , 2016, 6, 47281-47284.	3.6	5
100	A cationic water-soluble pillar[7]arene: Synthesis and its fluorescent host-guest complex in water. <i>Tetrahedron Letters</i> , 2017, 58, 2736-2739.	1.4	5
101	The correlation of WDR76 expression with survival outcomes and immune infiltrates in lung adenocarcinoma. <i>PeerJ</i> , 2021, 9, e12277.	2.0	5
102	Supramolecular self-assemblies for bacterial cell agglutination driven by directional charge-transfer interactions. <i>Chemical Communications</i> , 2018, 54, 2922-2925.	4.1	4
103	Neoadjuvant immunotherapy for resectable esophageal cancer: A protocol of meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0252829.	2.5	4
104	Anlotinib-containing regimen for advanced small-cell lung cancer: A protocol of meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0247494.	2.5	3
105	Meta-analysis of diagnostic accuracy of nucleic acid amplification tests for abdominal tuberculosis: A protocol. <i>PLoS ONE</i> , 2020, 15, e0243765.	2.5	3
106	Junctional Adhesion Molecule-Like Protein (JAML) Is Correlated with Prognosis and Immune Infiltrates in Lung Adenocarcinoma. <i>Medical Science Monitor</i> , 2022, 27, e933503.	1.1	2
107	Predictive value of matrix metalloprotease 9 on surgical outcomes after pericardiectomy. <i>Journal of Cardiothoracic Surgery</i> , 2022, 17, 50.	1.1	2
108	Nucleic acid amplification techniques for rapid diagnosis of nontuberculous mycobacteria: A protocol of systematic review and meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0250470.	2.5	1

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109	A nomogram to predict residual cavity formation after thoracoscopic decortication in chronic tuberculous empyema. Interactive Cardiovascular and Thoracic Surgery, 2022, , .	1.1	1
110	Destroyed lung with constrictive pericarditis. Medicina Clínica, 2020, 155, 471.	0.6	0