

Gui-Peng Yu

List of Publications by Year in descending order

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101
papers

3,707
citations

94269

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149479

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all docs

101
docs citations

101
times ranked

3519
citing authors

#	ARTICLE	IF	CITATIONS
1	Anticorrosive waterborne polyurethane coatings derived from castor oil and renewable diols. <i>Chemical Engineering Journal</i> , 2022, 433, 134470.	6.6	43
2	Effective Suzuki coupling reaction enabled by palladium ^{II} polycarbene catalyst derived from porous polyimidazolium. <i>Journal of Porous Materials</i> , 2022, 29, 601-608.	1.3	3
3	Structure and Properties of PVDF/PA6 Blends Compatibilized by Ionic Liquid-Grafted PA6. <i>ACS Omega</i> , 2022, 7, 12772-12778.	1.6	5
4	Fluorinated covalent triazine frameworks for effective CH ₄ separation and iodine vapor uptake. <i>Separation and Purification Technology</i> , 2022, 290, 120857.	3.9	13
5	A Knitting Copolymerization Strategy to Build Porous Polytriazolium Salts for Removal of Anionic Dyes and MnO ₄ ⁻ . <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200170.	2.0	4
6	Boosting SO ₂ Capture within Nitrogen-Doped Microporous Biocarbon Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9785-9794.	1.8	2
7	Phenothiazine-based conjugated microporous polymers: Pore surface and bandgap engineering for visible light-driven aerobic oxidative cyanation. <i>Chemical Engineering Journal</i> , 2021, 408, 127261.	6.6	27
8	Polarization-induced charge separation in conjugated microporous polymers for efficient visible light-driven C-3 selenocyanation of indoles. <i>Chemical Science</i> , 2021, 12, 5631-5637.	3.7	28
9	Co(III)-Salen immobilized cellulose nanocrystals for efficient catalytic CO ₂ fixation into cyclic carbonates under mild conditions. <i>Carbohydrate Polymers</i> , 2021, 256, 117558.	5.1	18
10	Boosting radioactive iodine capture of microporous polymers through strengthened host-guest interaction. <i>Microporous and Mesoporous Materials</i> , 2021, 321, 111148.	2.2	15
11	Building carbazole-decorated styrene ^{acrylic} copolymer latexes and films for iron(III) ion detection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127487.	2.3	5
12	Enhanced iodine capture by incorporating anionic phosphate unit into porous networks. <i>Separation and Purification Technology</i> , 2021, 279, 119799.	3.9	7
13	Visible-light-driven Cr(VI) reduction by ferrocene-integrated conjugated porous polymers via dual catalytic routes. <i>Chemical Communications</i> , 2021, 57, 4886-4889.	2.2	11
14	Design of well-defined shell-core covalent organic frameworks/metal sulfide as an efficient Z-scheme heterojunction for photocatalytic water splitting. <i>Chemical Science</i> , 2021, 12, 16065-16073.	3.7	43
15	One-pot construction of nitrogen-rich polymeric ionic porous networks for effective CO ₂ capture and fixation. <i>Polymer Chemistry</i> , 2021, 13, 121-129.	1.9	3
16	Modulating Carrier Transfer over Carbazolic Conjugated Microporous Polymers via Donor Structural Design for Functionalization of Thiophenols. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60072-60083.	4.0	36
17	Ferrocene-based porous organic polymers for high-affinity iodine capture. <i>Chemical Engineering Journal</i> , 2020, 380, 122420.	6.6	93
18	Self-healing stimuli-responsive cellulose nanocrystal hydrogels. <i>Carbohydrate Polymers</i> , 2020, 229, 115486.	5.1	60

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19	Ferrocene-integrated conjugated microporous polymer nanosheets: Active and regenerative catalysts for photomediated controlled radical polymerization. <i>Applied Materials Today</i> , 2020, 18, 100507.	2.3	6
20	Facile preparation of CoO nanoparticles embedded N-doped porous carbon from conjugated microporous polymer for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 550-557.	5.0	20
21	Carbodiimide coupling versus click chemistry for nanoparticle surface functionalization: A comparative study for the encapsulation of sodium cholate by cellulose nanocrystals modified with β -cyclodextrin. <i>Carbohydrate Polymers</i> , 2020, 244, 116512.	5.1	16
22	An Azo-bridged porous organic polymers modified poly(phthalazinone ether sulfone ketone) membrane for efficient O ₂ /N ₂ separation. <i>Separation and Purification Technology</i> , 2020, 248, 117044.	3.9	4
23	One-pot synthesis of nitrogen-rich aminal- and triazine-based hierarchical porous organic polymers with highly efficient iodine adsorption. <i>Polymer</i> , 2020, 194, 122401.	1.8	24
24	Covalent-organic frameworks (COFs)-based membranes for CO ₂ separation. <i>Journal of CO₂ Utilization</i> , 2020, 41, 101224.	3.3	31
25	A Vinylene-bridged Conjugated Covalent Triazine Polymer as a Visible-light-Active Photocatalyst for Degradation of Methylene Blue. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000006.	2.0	15
26	Hierarchical porous organic hyper-cross-linked polymers containing phthalazinone and carbazole moieties for gas uptake and fluorescence properties. <i>European Polymer Journal</i> , 2020, 130, 109674.	2.6	7
27	Phenothiazine core promoted charge transfer in conjugated microporous polymers for photocatalytic Ugi-type reaction and aerobic selenation of indoles. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118982.	10.8	42
28	Building metal-functionalized porous carbons from microporous organic polymers for CO ₂ capture and conversion under ambient conditions. <i>Catalysis Science and Technology</i> , 2019, 9, 4422-4428.	2.1	12
29	Carbazole-Bearing Porous Organic Polymers with a Mulberry-Like Morphology for Efficient Iodine Capture. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27335-27342.	4.0	90
30	Ionic Liquids-Based Membranes for Carbon Dioxide Separation. <i>Israel Journal of Chemistry</i> , 2019, 59, 824-831.	1.0	12
31	Fluorescent porous organic polymers. <i>Polymer Chemistry</i> , 2019, 10, 1168-1181.	1.9	92
32	Self-assembled polymeric micelles as amphiphilic particulate emulsifiers for controllable Pickering emulsions. <i>Materials Chemistry Frontiers</i> , 2019, 3, 356-364.	3.2	45
33	Benzodithiophenedione-Based Conjugated Microporous Polymer Catalysts for Aerobic Oxidation Reactions Driven by Visible-light. <i>ChemPhotoChem</i> , 2019, 3, 645-651.	1.5	14
34	Engineering pore surface and morphology of microporous organic polymers for improved affinity towards CO ₂ . <i>Chemical Engineering Journal</i> , 2019, 373, 338-344.	6.6	16
35	Exploration of 1D channels in stable and high-surface-area covalent triazine polymers for effective iodine removal. <i>Chemical Engineering Journal</i> , 2019, 371, 314-318.	6.6	42
36	Flexible Ketone-bridged organic porous nanospheres: Promoting porosity utilizing intramolecular hydrogen-bonding effects for effective gas separation. <i>Chemical Engineering Journal</i> , 2019, 358, 1383-1389.	6.6	19

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37	Carbazole-decorated covalent triazine frameworks: Novel nonmetal catalysts for carbon dioxide fixation and oxygen reduction reaction. <i>Journal of Catalysis</i> , 2018, 362, 1-9.	3.1	96
38	Click-based transparent durable films derived from tetrabrachius PDMS-bridged epoxy acrylates and surface modified nanosilica particles. <i>Progress in Organic Coatings</i> , 2018, 117, 166-173.	1.9	7
39	Fluorescent Porous Carbazole-Decorated Copolymer Monodisperse Microspheres: Facile synthesis, Selective and Recyclable Detection of Iron(III) in Aqueous Medium. <i>Chemistry - A European Journal</i> , 2018, 24, 3030-3037.	1.7	18
40	Crystallization manipulation and morphology evolution for highly efficient perovskite solar cell fabrication via hydration water induced intermediate phase formation under heat assisted spin-coating. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3012-3021.	5.2	40
41	Nitrogen-rich porous polyaminal network as a platform for iodine adsorption through physical and chemical interaction. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46106.	1.3	23
42	Phthalonitrile-functionalized poly(ether imide) oligomers derived from phthalazinone-containing dianhydride: facile synthesis, curing and properties. <i>Polymer Bulletin</i> , 2018, 75, 1037-1054.	1.7	10
43	Versatile Adamantane-based porous polymers with enhanced microporosity for efficient CO ₂ capture and iodine removal. <i>Chemical Engineering Journal</i> , 2018, 334, 900-906.	6.6	120
44	Selective Recognition of Fe(III) in Aqueous Environment over Covalently Bonded Tb-Complex-Containing Fluorescent Porous Copolymer Microspheres. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800403.	1.1	4
45	Highly Fluoro-Substituted Covalent Organic Framework and Its Application in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42233-42240.	4.0	127
46	Porous Organic Polymers: An Emerged Platform for Photocatalytic Water Splitting. <i>Frontiers in Chemistry</i> , 2018, 6, 592.	1.8	51
47	Functionalized Covalent Triazine Frameworks for Effective CO ₂ and SO ₂ Removal. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36002-36009.	4.0	75
48	Synthesis and Morphology Evolution of Ultrahigh Content Nitrogen-Doped, Micropore-Dominated Carbon Materials as High-Performance Supercapacitors. <i>ChemSusChem</i> , 2018, 11, 3932-3940.	3.6	36
49	Three birds, one stone – photo-/piezo-/chemochromism in one conjugated nanoporous ionic organic network. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9065-9070.	2.7	15
50	One-pot synthesis of an ionic porous organic framework for metal-free catalytic CO ₂ fixation under ambient conditions. <i>Chemical Engineering Journal</i> , 2018, 350, 867-871.	6.6	51
51	Sulfur-rich covalent triazine polymer nanospheres for environmental mercury removal and detection. <i>Polymer Chemistry</i> , 2018, 9, 4125-4131.	1.9	72
52	Uniform poly(phosphazene-triazine) porous microspheres for highly efficient iodine removal. <i>Chemical Communications</i> , 2018, 54, 8450-8453.	2.2	101
53	Construction of triphenylamine functional phthalazinone-based covalent triazine frameworks for effective CO ₂ capture. <i>Polymer</i> , 2018, 151, 65-74.	1.8	17
54	Visible Light-Driven C-3 Functionalization of Indoles over Conjugated Microporous Polymers. <i>ACS Catalysis</i> , 2018, 8, 8084-8091.	5.5	113

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55	D- π -A conjugated polymer dyes-covered TiO ₂ compact layers for enhancing photovoltaic performance of dye-sensitized solar cells. <i>Synthetic Metals</i> , 2018, 244, 73-79.	2.1	9
56	BODIPY-based Carbonaceous Materials for High Performance Electrical Capacitive Energy Storage. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3051-3056.	1.7	5
57	BODIPY-based conjugated porous polymers for highly efficient volatile iodine capture. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6622-6629.	5.2	159
58	Promoting and Tuning Porosity of Flexible Ether-Linked Phthalazinone-Based Covalent Triazine Frameworks Utilizing Substitution Effect for Effective CO ₂ Capture. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13201-13212.	4.0	64
59	Hyper-crosslinked aromatic polymers with improved microporosity for enhanced CO ₂ /N ₂ and CO ₂ /CH ₄ selectivity. <i>New Journal of Chemistry</i> , 2017, 41, 6834-6839.	1.4	27
60	Fabrication of conjugated microporous polytriazine nanotubes and nanospheres for highly selective CO ₂ capture. <i>Chemical Communications</i> , 2017, 53, 4128-4131.	2.2	28
61	1,3,5-Triazine-Based Microporous Polymers with Tunable Porosities for CO ₂ Capture and Fluorescent Sensing. <i>Macromolecules</i> , 2017, 50, 8512-8520.	2.2	89
62	Acid/hydrazide-appended covalent triazine frameworks for low-pressure CO ₂ capture: pre-designable or post-synthesis modification. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21266-21274.	5.2	40
63	Phthalazinone-based copolymers with intrinsic microporosity (PHPIMs) and their separation performance. <i>Journal of Membrane Science</i> , 2017, 541, 403-412.	4.1	20
64	Tunable porosity of nanoporous organic polymers with hierarchical pores for enhanced CO ₂ capture. <i>Polymer Chemistry</i> , 2016, 7, 3416-3422.	1.9	94
65	Tunable molecular weights of poly(triphenylamine- <i>2,2'</i> -bithiophene) and their effects on photovoltaic performance as sensitizers for dye-sensitized solar cells. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	3
66	Facile Carbonization of Microporous Organic Polymers into Hierarchically Porous Carbons Targeted for Effective CO ₂ Uptake at Low Pressures. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18383-18392.	4.0	90
67	Phthalazinone structure-based covalent triazine frameworks and their gas adsorption and separation properties. <i>RSC Advances</i> , 2016, 6, 12009-12020.	1.7	49
68	The role of the internal molecular free volume in defining organic porous copolymer properties: tunable porosity and highly selective CO ₂ adsorption. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11323-11329.	1.3	23
69	Nanoscale porous triazine-based frameworks with cyanate ester linkages for efficient drug delivery. <i>RSC Advances</i> , 2016, 6, 20834-20842.	1.7	11
70	Conductance investigation of p-MIECs fabricated by poly(3,4-ethylenedioxy thiophene), polyacrylic acid, polyethylene oxide, and lithium-ion salt. <i>Polymer Composites</i> , 2015, 36, 2076-2083.	2.3	1
71	Metal Microporous Aromatic Polymers with Improved Performance for Small Gas Storage. <i>Chemistry - A European Journal</i> , 2015, 21, 13357-13363.	1.7	41
72	A Luminescent Hypercrosslinked Conjugated Microporous Polymer for Efficient Removal and Detection of Mercury Ions. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1566-1571.	2.0	71

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73	Photovoltaic performance of long-chain poly(triphenylamine-phenothiazine) dyes with a tunable π -bridge for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14217-14227.	5.2	35
74	Novel ferrocene-based nanoporous organic polymers for clean energy application. <i>RSC Advances</i> , 2015, 5, 8933-8937.	1.7	40
75	Use thiophene as a comonomer alternative to triphenylamine combine with 4, 8-dithienylbenzo [1,2-b: 4, 5-b'] dithiophene as a polymer dye in sensitized solar cells. <i>Synthetic Metals</i> , 2015, 209, 119-127.	2.1	5
76	A rational construction of microporous imide-bridged covalent organic polytriazines for high-enthalpy small gas absorption. <i>Journal of Materials Chemistry A</i> , 2015, 3, 878-885.	5.2	81
77	Phthalonitrile-functional multiple arylene ether nitrile-containing phthalazinone moiety: facile synthesis, curing, and properties. <i>High Performance Polymers</i> , 2014, 26, 540-549.	0.8	16
78	A novel UV-curable epoxy acrylate resin containing arylene ether sulfone linkages: Preparation, characterization, and properties. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	10
79	Series of D-A system based on isoindigo dyes for DSSC: Synthesis, electrochemical and photovoltaic properties. <i>Synthetic Metals</i> , 2014, 187, 17-23.	2.1	21
80	A comparative study on properties of two phenoxazine-based dyes for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2014, 101, 67-73.	2.0	39
81	Liquid acid-catalysed fabrication of nanoporous 1,3,5-triazine frameworks with efficient and selective CO ₂ uptake. <i>Polymer Chemistry</i> , 2014, 5, 3424.	1.9	112
82	Control of porosity of novel carbazole-modified polytriazine frameworks for highly selective separation of CO ₂ and N ₂ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 7795-7801.	5.2	72
83	Facile Preparation of Dibenzoheterocycle-Functional Nanoporous Polymeric Networks with High Gas Uptake Capacities. <i>Macromolecules</i> , 2014, 47, 2875-2882.	2.2	108
84	Phenoxazine-based organic dyes with different chromophores for dye-sensitized solar cells. <i>Organic Electronics</i> , 2013, 14, 2795-2801.	1.4	66
85	Synthesis and characterization of conjugated polymers with main-chain donors and pendent acceptors for dye-sensitized solar cells. <i>RSC Advances</i> , 2013, 3, 16612.	1.7	11
86	Highly Disordered Crystalline-Phase Transition of Tetrakis(1-adamantanecarboxymethyl)methane. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 481-486.	2.0	0
87	Highly thermostable rigid-rod networks constructed from an unsymmetrical bisphthalonitrile bearing phthalazinone moieties. <i>Polymer Chemistry</i> , 2012, 3, 1024.	1.9	38
88	Novel thermally stable and organosoluble aromatic polyamides with main chain phenyl-1,3,5-triazine moieties. <i>Polymer Degradation and Stability</i> , 2012, 97, 1807-1814.	2.7	19
89	Acid doped polybenzimidazoles containing 4-phenyl phthalazinone moieties for high-temperature PEMFC. <i>Journal of Membrane Science</i> , 2012, 423-424, 128-135.	4.1	23
90	Effects of phenyl-s-triazine moieties on thermal stability and degradation behavior of aromatic polyether sulfones. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	10

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91	SYNTHESIS OF A 1,3,5-TRIAZINE-CONTAINING AROMATIC DIACID MONOMER AND ITS SOLUBLE AROMATIC POLYAMIDES. <i>Acta Polymerica Sinica</i> , 2012, 012, 870-875.	0.0	0
92	Thermal degradation kinetics of poly(aryl ether sulfone 1,3,5-triazine)s containing phthalazinone moieties. <i>Thermochimica Acta</i> , 2011, 514, 51-57.	1.2	14
93	Heat-resistant aromatic S-triazine-containing ring-chain polymers based on bis(ether nitrile)s: Synthesis and properties. <i>Polymer Degradation and Stability</i> , 2010, 95, 2445-2452.	2.7	20
94	Synthesis, characterization, and crosslinking of soluble cyano-containing poly(arylene ether)s bearing phthalazinone moiety. <i>Polymer</i> , 2010, 51, 100-109.	1.8	45
95	Synthesis and characterization of partly fluorinated poly(phthalazinone ether)s crosslinked by allyl group for passive optical waveguides. <i>Polymer</i> , 2010, 51, 1524-1529.	1.8	32
96	Synthesis and characterization of poly(arylene ether s-triazine)s containing alkyl-, aryl- and chloro-substituted phthalazinone moieties in the main chain. <i>Polymer International</i> , 2010, 59, 1233-1239.	1.6	23
97	Cure kinetics, phase behaviors, and fracture properties of bismaleimide resin toughened by poly(phthalazinone ether ketone). <i>Polymer Engineering and Science</i> , 2009, 49, 2301-2308.	1.5	24
98	Synthesis, characterization and properties of heat-resistant and soluble poly(aryl ether)s containing s-triazine units in the main chain. <i>Polymer Degradation and Stability</i> , 2009, 94, 1053-1060.	2.7	24
99	Synthesis of phenyl-s-triazine-based copoly(aryl ether)s derived from hydroquinone and resorcinol. <i>Polymer Degradation and Stability</i> , 2009, 94, 2065-2071.	2.7	12
100	Soluble and curable poly(phthalazinone ether amide)s with terminal cyano groups and their crosslinking to heat resistant resin. <i>Polymer</i> , 2009, 50, 1700-1708.	1.8	48
101	Synthesis and characterization of soluble copoly(arylene ether sulfone phenyl-s-triazine)s containing phthalazinone moieties in the main chain. <i>Polymer</i> , 2009, 50, 4520-4528.	1.8	36