

# Li Yang

## List of Publications by Year in descending order

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42  
papers

1,122  
citations

430442

18  
h-index

395343

33  
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42  
all docs

42  
docs citations

42  
times ranked

1259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Force-Driven Reversible and Energetic Indole-Mg-Indole Cation-Indole Interaction for Designing Toughened and Multifunctional High-Performance Thermosets. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	18
2	Force-Driven reversible chemical reaction at ambient temperature for designing toughened dynamic covalent polymer networks. <i>Nature Communications</i> , 2022, 13, .	5.8	16
3	A Toughening and Anti-Counterfeiting Benzotriazole-Based High-Performance Polymer Film Driven by Appropriate Intermolecular Coordination Force. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000617.	2.0	2
4	Hydrophilic domains compose of interlocking cation- $\pi$ blocks for constructing hard actuator with robustness and rapid humidity responsiveness. <i>Chemical Engineering Journal</i> , 2021, 414, 128820.	6.6	6
5	Enhanced mechanical and photocatalytic performances of epoxy nanocomposites filled with potassium-modified graphitic carbon nitride nanosheets. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51328.	1.3	2
6	Selective Carbon Dioxide Capture in Antifouling Indole-based Microporous Organic Polymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 187-194.	2.0	9
7	An indole-based smart aerogel for simultaneous visual detection and removal of trinitrotoluene in water via synergistic effect of dipole- $\pi$ and donor-acceptor interactions. <i>Chemical Engineering Journal</i> , 2020, 384, 123358.	6.6	18
8	Unprecedented toughening high-performance polyhexahydrotriazines constructed by incorporating point-face cation- $\pi$ interactions in covalently crosslinked networks and the visual detection of tensile strength. <i>Chemical Communications</i> , 2020, 56, 1054-1057.	2.2	15
9	An indole-derived porous organic polymer for the efficient visual colorimetric capture of iodine in aqueous media via the synergistic effects of cation- $\pi$ and electrostatic forces. <i>Chemical Communications</i> , 2020, 56, 1401-1404.	2.2	30
10	Intermolecular channel expansion induced by cation- $\pi$ interactions to enhance lithium storage in a crosslinked $\pi$ -conjugated organic anode. <i>Journal of Power Sources</i> , 2020, 449, 227551.	4.0	21
11	Recyclable and Dual Cross-Linked High-Performance Polymer with an Amplified Strength-Toughness Combination. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900606.	2.0	10
12	A novel carboxylic-functional indole-based aerogel for highly effective removal of heavy metals from aqueous solution via synergistic effects of face-point and point-point interactions. <i>RSC Advances</i> , 2019, 9, 24875-24879.	1.7	2
13	Cation- $\pi$ induced lithium-doped conjugated microporous polymer with remarkable hydrogen storage performance. <i>Chemical Communications</i> , 2019, 55, 11227-11230.	2.2	18
14	A recyclable indole-based polymer for trinitrotoluene adsorption via the synergistic effect of dipole- $\pi$ and donor-acceptor interactions. <i>Polymer Chemistry</i> , 2019, 10, 4632-4636.	1.9	16
15	A bioinspired strategy towards super-adsorbent hydrogel spheres via self-sacrificing micro-reactors for robust wastewater remediation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21386-21403.	5.2	46
16	An indole-based aerogel for enhanced removal of heavy metals from water via the synergistic effects of complexation and cation- $\pi$ interactions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 531-539.	5.2	51
17	Rational design of a boron-dipyrromethene-based fluorescent probe for detecting Pd <sup>2+</sup> sensitively and selectively in aqueous media. <i>Analyst</i> , 2019, 144, 1260-1264.	1.7	23
18	Sandwich-like Structure of Indole and Carbon Dioxide with Efficient CO <sub>2</sub> Capture and Conversion. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3389-3395.	2.0	8

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19	Renewable 4-HIF/NaOH aerogel for efficient methylene blue removal via cation-π interaction induced electrostatic interaction. <i>RSC Advances</i> , 2019, 9, 29772-29778.	1.7	8
20	Synthesis of a metal-coordinated N-substituted polybenzimidazole pyridine sulfone and method for the nondestructive analysis of thermal stability. <i>High Performance Polymers</i> , 2019, 31, 238-246.	0.8	14
21	Metal-coordination crosslinked N-polyindoles as recyclable high-performance thermosets and nondestructive detection for their tensile strength and glass transition temperature. <i>Chemical Communications</i> , 2018, 54, 2906-2909.	2.2	21
22	Recyclable Crosslinked High-Performance Polymers via Adjusting Intermolecular Cation-π Interactions and the Visual Detection of Tensile Strength and Glass Transition Temperature. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800031.	2.0	15
23	Facile synthesis of recyclable Zn(scp)-metallo-supramolecular polymers and the visual detection of tensile strength and glass transition temperature. <i>Polymer Chemistry</i> , 2018, 9, 2721-2726.	1.9	8
24	High-Performance pH-Switchable Supramolecular Thermosets via Cation-π Interactions. <i>Advanced Materials</i> , 2018, 30, 1704234.	11.1	105
25	Recyclable Cu(II)-Coordination Crosslinked Poly(benzimidazolyl pyridine)s as High-Performance Polymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700573.	2.0	20
26	Phosphoric acid-doped poly(ether sulfone benzotriazole) for high-temperature proton exchange membrane fuel cell applications. <i>Journal of Membrane Science</i> , 2018, 549, 23-27.	4.1	79
27	Facile synthesis of thermal responsive fluorescent poly(imino ether sulfone): Nondestructive detection of Tg and erasable thermal imaging. <i>Polymer Testing</i> , 2018, 72, 330-334.	2.3	0
28	An encouraging recyclable synergistic hydrogen bond crosslinked high-performance polymer with visual detection of tensile strength. <i>Polymer Testing</i> , 2018, 71, 167-172.	2.3	3
29	A recyclable hydroxyl functionalized polyindole hydrogel for sodium hydroxide extraction via the synergistic effect of cation-π interactions and hydrogen bonding. <i>Chemical Communications</i> , 2018, 54, 9785-9788.	2.2	24
30	Construction of triphenylamine functional phthalazinone-based covalent triazine frameworks for effective CO <sub>2</sub> capture. <i>Polymer</i> , 2018, 151, 65-74.	1.8	17
31	Enhanced carbon dioxide capture in an indole-based microporous organic polymer via synergistic effects of indoles and their adjacent carbonyl groups. <i>Polymer Chemistry</i> , 2018, 9, 4455-4459.	1.9	17
32	An indole-based conjugated microporous polymer: a new and stable lithium storage anode with high capacity and long life induced by cation-π interactions and a N-rich aromatic structure. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18794-18798.	5.2	43
33	High and Selective Carbon Dioxide Capture in Nitrogen-Containing Aerogels via Synergistic Effects of Electrostatic In-Plane and Dispersive π-π-Stacking Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15213-15218.	4.0	35
34	Explosives in the Cage: Metal-Organic Frameworks for High-Energy Materials Sensing and Desensitization. <i>Advanced Materials</i> , 2017, 29, 1701898.	11.1	127
35	Facile synthesis of new coumarin-based colorimetric and fluorescent chemosensors: Highly efficient and selective detection of Pd <sup>2+</sup> in aqueous solutions. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 212-219.	4.0	43
36	A nitrogen-rich, azaindole-based microporous organic network: synergistic effect of local dipole-π and dipole-quadrupole interactions on carbon dioxide uptake. <i>Polymer Chemistry</i> , 2016, 7, 5768-5772.	1.9	25

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37	Rational design of a novel indole-based microporous organic polymer: enhanced carbon dioxide uptake via local dipole–π interactions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2517-2523.	5.2	65
38	Hydrogen bond cross-linked sulfonated poly(imino ether ether ketone) (PIEEK) for fuel cell membranes. <i>Journal of Power Sources</i> , 2015, 282, 401-408.	4.0	16
39	Rational design of a fluorescent poly(N-aryleneindole ether sulfone) switch by cation–π interactions. <i>Polymer Chemistry</i> , 2015, 6, 697-702.	1.9	26
40	Facile synthesis of heat-resistant and photoluminescent poly(N-aryleneindole ether)s via catalyst-free C–N/C–O coupling reaction. <i>Journal of Polymer Science Part A</i> , 2014, 52, 313-320.	2.5	22
41	Facile synthesis of soluble aromatic poly(amide amine)s via C–N coupling reaction: Characterization, thermal, and optical properties. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4845-4852.	2.5	10
42	1,1'-Binaphthyl-based imidazolium chemosensors for highly selective recognition of tryptophan in aqueous solutions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 339-348.	1.5	68