

Li-Ming Tao

List of Publications by Year in descending order

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27
papers

743
citations

759055

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27
times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring polyimide composites with low friction and wear at high temperatures. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51736.	1.3	8
2	Viologen-based covalent triazine frameworks for NO ₂ sensing at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131045.	4.0	7
3	Molecular dynamic simulation study of tribological mechanism of PI composites reinforced by CNTs with different orientations. <i>Polymer Composites</i> , 2022, 43, 1557-1565.	2.3	12
4	Reconfigurable and NIR-responsive shape memory polymer containing bipheunit units and graphene. <i>Polymer Journal</i> , 2022, 54, 697-705.	1.3	7
5	Mechanical and tribological properties of polytetrafluoroethylene reinforced by nano-ZrO ₂ : Molecular dynamic simulation. <i>High Performance Polymers</i> , 2022, 34, 397-405.	0.8	5
6	Si-doped graphene nanosheets for NO _x gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129005.	4.0	42
7	Biphenyl Containing Shape Memory Epoxy Resin with Post-heating Adjustable Properties. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100185.	1.7	7
8	Si-doped graphene nanosheets as a metal-free catalyst for electrochemical detection of nitroaromatic explosives. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 848-856.	5.0	11
9	Structural evolution of imine-linked covalent organic frameworks and their NH ₃ sensing performance. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8562-8569.	2.7	31
10	4D Printing of a Sodium Alginate Hydrogel with Step-Wise Shape Deformation Based on Variation of Crosslinking Density. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6167-6175.	2.0	27
11	Macroscopic and microscopic shape memory effects of block copolymers prepared via ATRP. <i>Journal of Polymer Science</i> , 2020, 58, 20-24.	2.0	4
12	Exploring the friction and wear behaviors of Ag-Mo hybrid modified thermosetting polyimide composites at high temperature. <i>Friction</i> , 2020, 8, 893-904.	3.4	15
13	Preparation and Characterization of Semi-Alicyclic Polyimides Containing Trifluoromethyl Groups for Optoelectronic Application. <i>Polymers</i> , 2020, 12, 1532.	2.0	21
14	Covalent triazine-based frameworks for NH ₃ gas sensing at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128513.	4.0	20
15	Macroscopic and microscopic shape memory effects of block copolymers prepared via ATRP. <i>Journal of Polymer Science</i> , 2020, 58, 20-24.	2.0	0
16	Troger's base functionalized covalent triazine frameworks for CO ₂ capture. <i>RSC Advances</i> , 2016, 6, 94365-94372.	1.7	25
17	Tribological Performances of Thermosetting Polyimide Matched with Steel and Ceramic. <i>Tribology Transactions</i> , 2016, 59, 128-138.	1.1	3
18	Benzimidazole functionalized covalent triazine frameworks for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11812-11820.	5.2	55

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19	Influence of monomer conformation on the mechanical and tribological properties of thermosetting polyimides. RSC Advances, 2015, 5, 101533-101543.	1.7	13
20	Azo-bridged covalent porphyrinic polymers (Azo-CPPs): synthesis and CO ₂ capture properties. RSC Advances, 2015, 5, 96871-96878.	1.7	19
21	Fluorinated polybenzimidazopyrrolones with excellent alkaline hydrolysis resistance. Journal of Applied Polymer Science, 2014, 131, .	1.3	1
22	A covalent triazine framework as an efficient catalyst for photodegradation of methylene blue under visible light illumination. New Journal of Chemistry, 2014, 38, 5695-5699.	1.4	71
23	Amorphous covalent triazine frameworks for high performance room temperature ammonia gas sensing. New Journal of Chemistry, 2014, 38, 2774.	1.4	50
24	Phosphorus doped graphene nanosheets for room temperature NH ₃ sensing. New Journal of Chemistry, 2014, 38, 2269.	1.4	141
25	Nitrogen and silica co-doped graphene nanosheets for NO ₂ gas sensing. Journal of Materials Chemistry A, 2013, 1, 6130.	5.2	138
26	Synthesis and Characterization of Fluorinated Bisphenols and Tetraphenols via a Simple One-Pot Reaction. Synthetic Communications, 2013, 43, 2319-2325.	1.1	7
27	Tribological Behavior of Fluorinated and Nonfluorinated Polyimide Films. Journal of Macromolecular Science - Physics, 2012, 51, 2222-2231.	0.4	3