

# Xiao-Yan Tang

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,812  
citations

331670

21  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of science and policy related to acid deposition in East Asia over 30 years. <i>Ambio</i> , 2022, 51, 1800-1818.	5.5	7
2	Chemical Synthesis of Polyhydroxyalkanoates via Metal-Catalyzed Ring-Opening Polymerization of Cyclic Esters. <i>Advances in Polymer Science</i> , 2022, , 305-325.	0.8	2
3	Links between the optical properties and chemical compositions of brown carbon chromophores in different environments: Contributions and formation of functionalized aromatic compounds. <i>Science of the Total Environment</i> , 2021, 786, 147418.	8.0	16
4	Toughening Biodegradable Isotactic Poly(3-hydroxybutyrate) via Stereoselective Copolymerization of a Diolide and Lactones. <i>Macromolecules</i> , 2021, 54, 9401-9409.	4.8	25
5	Biodegradable Polyhydroxyalkanoates by Stereoselective Copolymerization of Racemic Diolides: Stereocontrol and Polyolefin-Like Properties. <i>Angewandte Chemie</i> , 2020, 132, 7955-7964.	2.0	9
6	Biodegradable Polyhydroxyalkanoates by Stereoselective Copolymerization of Racemic Diolides: Stereocontrol and Polyolefin-Like Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7881-7890.	13.8	56
7	Packaging materials with desired mechanical and barrier properties and full chemical recyclability. <i>Nature Communications</i> , 2019, 10, 3559.	12.8	245
8	Stereosequenced crystalline polyhydroxyalkanoates from diastereomeric monomer mixtures. <i>Science</i> , 2019, 366, 754-758.	12.6	125
9	Toward Infinitely Recyclable Plastics Derived from Renewable Cyclic Esters. <i>CheM</i> , 2019, 5, 284-312.	11.7	239
10	Chemical synthesis of perfectly isotactic and high melting bacterial poly(3-hydroxybutyrate) from bio-sourced racemic cyclic diolide. <i>Nature Communications</i> , 2018, 9, 2345.	12.8	115
11	Organocatalytic Coupling of Bromo-Lactide with Cyclic Ethers and Carbonates to Chiral Bromo-Diesters: NHC or Anion Catalysis?. <i>ACS Catalysis</i> , 2017, 7, 3929-3933.	11.2	4
12	Evidence for the Importance of Atmospheric Nitrogen Deposition to Eutrophic Lake Dianchi, China. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6699-6708.	10.0	80
13	Nonstrained $\epsilon$ - $\delta$ -Butyrolactone-Based Copolyesters: Copolymerization Characteristics and Composition-Dependent (Thermal, Eutectic, Cocrystallization, and Degradation) Properties. <i>Macromolecules</i> , 2017, 50, 8469-8479.	4.8	65
14	The Quest for Converting Biorenewable Bifunctional $\epsilon$ -Methylene- $\delta$ -butyrolactone into Degradable and Recyclable Polyester: Controlling Vinyl-Addition/Ring-Opening/Cross-Linking Pathways. <i>Journal of the American Chemical Society</i> , 2016, 138, 14326-14337.	13.7	132
15	Proton-Transfer Polymerization by N-Heterocyclic Carbenes: Monomer and Catalyst Scopes and Mechanism for Converting Dimethacrylates into Unsaturated Polyesters. <i>Journal of the American Chemical Society</i> , 2016, 138, 2021-2035.	13.7	51
16	Chronic exposure to air pollution particles increases the risk of obesity and metabolic syndrome: findings from a natural experiment in Beijing. <i>FASEB Journal</i> , 2016, 30, 2115-2122.	0.5	181
17	Oxidative damage of naphthenic acids on the <i>isenia fetida</i> earthworm. <i>Environmental Toxicology</i> , 2016, 31, 1337-1343.	4.0	6
18	Developmental toxicity and endocrine disruption of naphthenic acids on the early life stage of zebrafish ( <i>Danio rerio</i> ). <i>Journal of Applied Toxicology</i> , 2015, 35, 1493-1501.	2.8	34

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19	Ethylene polymerisation and ethylene/norbornene copolymerisation by using aryloxo-modified vanadium( $\nu$ ) complexes containing 2,6-difluoro-, dichloro-phenylimido complexes. Dalton Transactions, 2015, 44, 12273-12281.	3.3	34
20	Transcriptional responses of earthworm ( <i>Eisenia fetida</i> ) exposed to naphthenic acids in soil. Environmental Pollution, 2015, 204, 264-270.	7.5	37
21	Disruption of endocrine function in H295R cell in vitro and in zebrafish in vivo by naphthenic acids. Journal of Hazardous Materials, 2015, 299, 1-9.	12.4	21
22	Quantification and characterization of naphthenic acids in soils from oil exploration areas in China by GC/MS. Analytical Methods, 2015, 7, 2149-2154.	2.7	18
23	Synthesis and characterization of phosphine-(thio)phenolate-based half-zirconocenes and their application in ethylene (co-)polymerization. Dalton Transactions, 2014, 43, 222-230.	3.3	7
24	Synthesis of (Imido)vanadium(V) Complexes Containing 8-(2,6-Dimethylanilide)-5,6,7-trihydroquinoline Ligands: Highly Active Catalyst Precursors for Ethylene Dimerization. Organometallics, 2014, 33, 1053-1060.	2.3	28
25	Upgrading of Bio-Oil Using Supercritical 1-Butanol over a Ru/C Heterogeneous Catalyst: Role of the Solvent. Energy & Fuels, 2014, 28, 4611-4621.	5.1	75
26	Protocol of Chondrogenesis of BMSC to Chondrocyte Using Chitosan-Modified Poly(L-Lactide-co- $\mu$ -Caprolactone) Scaffolds. Manuals in Biomedical Research, 2014, , 49-58.	0.0	0
27	Monochloro non-bridged half-metallocene-type zirconium complexes containing phosphine oxide-(thio)phenolate chelating ligands as efficient ethylene polymerization catalysts. Dalton Transactions, 2013, 42, 499-506.	3.3	13
28	Phosphine-Thiophenolate Half-Titanocene Chlorides: Synthesis, Structure, and Their Application in Ethylene (Co-)Polymerization. Catalysts, 2013, 3, 261-275.	3.5	3
29	Highly efficient ethylene/norbornene copolymerization by $\nu$ -(phenyl)phosphanylphenolate-based half-titanocene complexes. Journal of Polymer Science Part A, 2013, 51, 1585-1594.	2.3	25
30	Synthesis and characterization of novel titanium complexes bearing [ONX]-type $\eta^2$ -enaminoketonato ligands and their application to ethylene (co)polymerization. Dalton Transactions, 2012, 41, 7390.	3.3	11
31	Random copolymers of propylene with 1,5-hexadiene containing only cyclopentane units in main chain and tailoring structure and mechanical properties of the copolymers. Polymer, 2011, 52, 3053-3058.	3.8	22
32	Heterogeneous reaction of formaldehyde on the surface of TiO <sub>2</sub> particles. Science China Chemistry, 2010, 53, 2644-2651.	8.2	33
33	Ozone source attribution during a severe photochemical smog episode in Beijing, China. Science in China Series B: Chemistry, 2009, 52, 1270-1280.	0.8	64
34	Development and deployment of an instrument for measurement of atmospheric peroxy radical by chemical amplification. Science in China Series D: Earth Sciences, 2009, 52, 333-340.	0.9	6
35	Photolysis of surface O <sub>3</sub> and production potential of OH radicals in the atmosphere over the Tibetan Plateau. Journal of Geophysical Research, 2008, 113, .	3.3	23