

# Zhangfa Tong

## List of Publications by Year in descending order

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95  
papers

2,512  
citations

172457

29  
h-index

223800

46  
g-index

96  
all docs

96  
docs citations

96  
times ranked

2813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular engineering strategies for fabricating efficient porphyrin-based dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2020, 13, 1617-1657.	30.8	178
2	Superior dye degradation and adsorption capability of polydopamine modified Fe <sub>3</sub> O <sub>4</sub> -pillared bentonite composite. <i>Journal of Hazardous Materials</i> , 2020, 397, 122758.	12.4	139
3	Preparation of highly-hydrophobic novel N-coordinated UiO-66(Zr) with dopamine via fast mechano-chemical method for (CHO-/Cl-)-VOCs competitive adsorption in humid environment. <i>Chemical Engineering Journal</i> , 2018, 332, 608-618.	12.7	135
4	Facile fabrication of hydroxyapatite-magnetite-bentonite composite for efficient adsorption of Pb(II), Cd(II), and crystal violet from aqueous solution. <i>Journal of Cleaner Production</i> , 2020, 247, 119088.	9.3	128
5	Enhanced hydrophobic MIL(Cr) metal-organic framework with high capacity and selectivity for benzene VOCs capture from high humid air. <i>Chemical Engineering Journal</i> , 2017, 313, 1122-1131.	12.7	109
6	Enhanced interfacial contact of dopamine bridged melamine-graphene/TiO <sub>2</sub> nano-capsules for efficient photocatalytic degradation of gaseous formaldehyde. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 182-193.	20.2	104
7	Thermal degradation kinetics study of curcumin with nonlinear methods. <i>Food Chemistry</i> , 2014, 155, 81-86.	8.2	90
8	Fabrication of MnO <sub>2</sub> NPs incorporated UiO-66 for the green and efficient oxidative desulfurization and denitrogenation of fuel oils. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105179.	6.7	80
9	Boosting the hydrodesulfurization of dibenzothiophene efficiency of Mn decorated (Co/Ni)-Mo/Al <sub>2</sub> O <sub>3</sub> catalysts at mild temperature and pressure by coupling with phosphonium based ionic liquids. <i>Chemical Engineering Journal</i> , 2019, 375, 121957.	12.7	73
10	Rapid purification and characterization of angiotensin converting enzyme inhibitory peptides from lizard fish protein hydrolysates with magnetic affinity separation. <i>Food Chemistry</i> , 2015, 182, 136-142.	8.2	59
11	Studies on the Selection of a Catalyst-Oxidant System for the Energy-Efficient Desulfurization and Denitrogenation of Fuel Oil at Mild Operating Conditions. <i>Energy &amp; Fuels</i> , 2019, 33, 8423-8439.	5.1	55
12	Hydrodesulfurization of dibenzothiophene using Pd-promoted Co-Mo/Al <sub>2</sub> O <sub>3</sub> and Ni-Mo/Al <sub>2</sub> O <sub>3</sub> catalysts coupled with ionic liquids at ambient operating conditions. <i>RSC Advances</i> , 2019, 9, 10371-10385.	3.6	54
13	Fabrication of hollow cage-like CaO catalyst for the enhanced biodiesel production via transesterification of soybean oil and methanol. <i>Fuel</i> , 2021, 290, 119799.	6.4	49
14	Elemental analysis, chemical composition, cellulose crystallinity, and FT-IR spectra of <i>Toona sinensis</i> wood. <i>Monatshefte für Chemie</i> , 2014, 145, 175-185.	1.8	48
15	Single-step synthesis of eucalyptus sawdust magnetic activated carbon and its adsorption behavior for methylene blue. <i>RSC Advances</i> , 2019, 9, 22248-22262.	3.6	46
16	Preparation of geopolymer precursors by sol-gel method and their characterization. <i>Journal of Materials Science</i> , 2009, 44, 3991-3996.	3.7	42
17	N-Doped porous graphitic carbon with multi-flaky shell hollow structure prepared using a green and "useful" template of CaCO <sub>3</sub> for VOC fast adsorption and small peptide enrichment. <i>Chemical Communications</i> , 2017, 53, 3442-3445.	4.1	42
18	Mechanism and kinetics studies of carboxyl group formation on the surface of cellulose fiber in a TEMPO-mediated system. <i>Cellulose</i> , 2017, 24, 2415-2425.	4.9	42

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19	Useful™ template synthesis of N-doped acicular hollow porous carbon/carbon-nanotubes for enhanced capture and selectivity of CO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2019, 361, 278-285.	12.7	42
20	Fabrication of magnetically separable 3-acrylamidopropyltrimethylammonium chloride intercalated bentonite composite for the efficient adsorption of cationic and anionic dyes. <i>Applied Surface Science</i> , 2020, 514, 145929.	6.1	40
21	Bioinspired Dynamically Switchable PANI/PS- <i>b</i> -P2VP Thin Films for Multicolored Electrochromic Displays with Long-term Durability. <i>Advanced Functional Materials</i> , 2021, 31, 2106577.	14.9	40
22	Recent progress of synthesis and applications in polyoxometalate and nanogold hybrid materials. <i>Journal of Materials Science</i> , 2016, 51, 2181-2198.	3.7	39
23	Dye removal from single and binary systems using gel-like bioadsorbent based on functional-modified cellulose. <i>Cellulose</i> , 2018, 25, 2559-2575.	4.9	39
24	Standard Molar Enthalpies of Formation for Ammonium/3d-Transition Metal Phosphates NH <sub>4</sub> MPO <sub>4</sub> ·H <sub>2</sub> O (M = Mn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , Cu <sup>2+</sup> ). <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1066-1070.	1.9	37
25	NO Reduction by CO over Highly Active and Stable Perovskite Oxide Catalysts La <sub>0.8</sub> Ce <sub>0.2</sub> M <sub>0.25</sub> Co <sub>0.75</sub> O <sub>3</sub> (M = Cu, Mn). <i>TJ ETC</i> , 2021, 1, 078-114.	1.0	36
26	Light-Absorbing Pyridine Derivative as a New Electrolyte Additive for Developing Efficient Porphyrin Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57017-57024.	8.0	35
27	Modification process optimization, characterization and adsorption property of granular fir-based activated carbon. <i>Applied Surface Science</i> , 2014, 315, 203-211.	6.1	33
28	Isolation and Characterization of Angiotensin I-Converting Enzyme (ACE) Inhibitory Peptides from the Enzymatic Hydrolysate of <i>Carapax Trionycis</i> (the Shell of the Turtle <i>Pelodiscus sinensis</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7015-7022.	5.2	32
29	Hausmannite Mn <sub>3</sub> O <sub>4</sub> functionalized graphene Oxide-NaClO system for oxidative desulfurization and denitrogenation of fuel oils. <i>Fuel</i> , 2022, 321, 124017.	6.4	32
30	Graphene Oxide-Supported Organo-Montmorillonite Composites for the Removal of Pb(II), Cd(II), and As(V) Contaminants from Water. <i>ACS Applied Nano Materials</i> , 2020, 3, 806-813.	5.0	30
31	Separation and Characterization of Angiotensin I Converting Enzyme (ACE) Inhibitory Peptides from <i>Saurida elongata</i> Proteins Hydrolysate by IMAC-Ni <sup>2+</sup> . <i>Marine Drugs</i> , 2017, 15, 29.	4.6	29
32	Rapid and selective recovery of acetophenone from petrochemical effluents by crosslinked starch polymer. <i>Journal of Hazardous Materials</i> , 2018, 348, 20-28.	12.4	28
33	Modification of bentonite with orange peels extract and its application as mycotoxins™ binder in buffered solutions and simulated gastrointestinal fluids. <i>Journal of Cleaner Production</i> , 2020, 267, 122105.	9.3	27
34	Engineering Z-scheme silver oxide/bismuth tungstate heterostructure incorporated reduced graphene oxide with superior visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 22-33.	9.4	27
35	Oxidative desulfurization of model and real petroleum distillates using Cu or Ni impregnated banana peels derived activated carbon-NaClO catalyst-oxidant system. <i>Chemical Engineering Research and Design</i> , 2022, 179, 107-118.	5.6	27
36	Oriented construction of S-doped, exposed {001} facet BiOBr nanosheets with abundant oxygen vacancies and promoted visible-light-driven photocatalytic performance. <i>CrystEngComm</i> , 2020, 22, 7684-7692.	2.6	25

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37	Expanded N-Confused Phlorin: A Platform for a Multiply Fused Polycyclic Ring System via Oxidation within the Macrocyclic. <i>Journal of the American Chemical Society</i> , 2020, 142, 17195-17205.	13.7	23
38	Simulation and optimization of reactive distillation for the production of ethyl acetate using [BMIM]HSO <sub>4</sub> as catalyst. <i>Chemical Engineering Research and Design</i> , 2020, 161, 218-231.	5.6	22
39	Adsorption behavior of chromium(VI) on activated carbon from eucalyptus sawdust prepared by microwave-assisted activation with ZnCl <sub>2</sub> . <i>Desalination and Water Treatment</i> , 2016, 57, 12572-12584.	1.0	20
40	Fast catalytic conversion of diethylene glycol to morpholine over thermally stable Zn promoted Cu-NiO/Al <sub>2</sub> O <sub>3</sub> catalyst prepared via combustion approach. <i>Applied Catalysis A: General</i> , 2018, 555, 138-147.	4.3	20
41	Ternary Fe-Zn-Al Spinel Catalyst for CO <sub>2</sub> Hydrogenation to Linear $\alpha$ -Olefins: Synergy Effects between Al and Zn. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13818-13830.	6.7	20
42	Antibacterial and biological properties of biofunctionalized nanocomposites on titanium for implant application. <i>Journal of Biomaterials Applications</i> , 2016, 31, 205-214.	2.4	19
43	Effects of divalent copper on tetracycline degradation and the proposed transformation pathway. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5155-5167.	5.3	19
44	Easy fabrication of aromatic-rich cellulose-urethane polymer for preferential adsorption of acetophenone over 1-phenylethanol. <i>Carbohydrate Polymers</i> , 2019, 206, 716-725.	10.2	16
45	Aragonite observed in the prismatic layer of seawater-cultured pearls. <i>Frontiers of Materials Science in China</i> , 2007, 1, 326-329.	0.5	15
46	Nonisothermal Decomposition Kinetics of Abietic Acid in Argon Atmosphere. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 13727-13731.	3.7	15
47	Solvent Effects on the Symmetric and Asymmetric S <sub>N</sub> 2 Reactions in the Acetonitrile Solution: A Reaction Density Functional Theory Study. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3114-3122.	2.6	14
48	Theoretical and experimental studies on the separation of cinnamyl acetate and cinnamaldehyde by adsorption onto a $\beta$ -cyclodextrin polyurethane polymer. <i>RSC Advances</i> , 2017, 7, 43502-43511.	3.6	13
49	Facile synthesis of hierarchical N-doped hollow porous carbon whiskers with ultrahigh surface area via synergistic inner-outer activation for casein hydrolysate adsorption. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9211-9218.	5.8	13
50	In Situ Diffuse Reflectance Infrared Fourier Transform Spectroscopy Study of NO + CO Reaction on La <sub>0.8</sub> Ce <sub>0.2</sub> MnO <sub>3</sub> Perovskites: Changes in Catalytic Properties Caused by Fe Incorporation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 9065-9074.	3.7	13
51	Aminated cassava residue-based magnetic microspheres for Pb(II) adsorption from wastewater. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 226-235.	2.7	13
52	A cost-effective $\beta$ -cyclodextrin polymer for selective adsorption and separation of acetophenone and 1-phenylethanol via specific noncovalent molecular interactions. <i>Reactive and Functional Polymers</i> , 2020, 146, 104448.	4.1	13
53	Immobilized metal affinity chromatography matrix modified by poly (ethylene glycol) methyl ether for purification of angiotensin I-converting enzyme inhibitory peptide from casein hydrolysate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1143, 122042.	2.3	12
54	Preparation and Characterization of Activated Carbon from Eucalyptus Sawdust I. Activated by NaOH. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 1201-1209.	3.7	11

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55	The conversion of $\alpha$ -pinene to <i>cis</i> -pinane using a nickel catalyst supported on a discarded fluid catalytic cracking catalyst with an ionic liquid layer. <i>RSC Advances</i> , 2019, 9, 5978-5986.	3.6	11
56	Construction of a bioinspired Fe <sub>3</sub> O <sub>4</sub> /N-HCS nanozyme for highly sensitive detection of GSH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129046.	4.7	11
57	Synthesis and properties of novel stilbene-twelve alkyl quaternary ammonium salts as antibacterial optical whitening agents. <i>Cellulose</i> , 2017, 24, 3209-3218.	4.9	10
58	Ce regulated surface properties of Mn/SAPO-34 for improved NH <sub>3</sub> -SCR at low temperature. <i>RSC Advances</i> , 2020, 10, 40047-40054.	3.6	10
59	Study on the Intensification of Reaction Kinetics and Reactive Distillation for the Esterification of <i>N</i> -Butyl Acetate Using [HSO <sub>3</sub> -BMIM][HSO <sub>4</sub> ] as a High-Efficiency Ionic Liquid Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 12847-12863.	3.7	10
60	Zn <sup>2+</sup> intercalation/de-intercalation-based aqueous electrochromic titanium dioxide electrode with Zn-ion storage. <i>Ionics</i> , 2021, 27, 4429-4437.	2.4	9
61	Measurement and Correlation of Isobaric Vapor-Liquid Equilibrium for Camphene, (+)-3-Carene, and ( $\pm$ )-Limonene Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 905-915.	1.9	8
62	Microwave hydrothermal fabrication of 3D hierarchical Br/Bi <sub>2</sub> WO <sub>6</sub> with enhanced photocatalytic activity for Rhodamine B and tetracycline degradation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 36434-36452.	5.3	8
63	Polyoxometalate-nano Gold Hybrid Mesostructured Catalyst for Green Cyclohexene Epoxidation. <i>Current Organic Chemistry</i> , 2017, 21, .	1.6	8
64	Removal of Trace Water from Organic Mixtures by Pervaporation Separation During Butyl Acetate Production via Esterification. <i>Separation Science and Technology</i> , 2005, 40, 2021-2033.	2.5	6
65	Preparation and adsorption behaviour of cationic nanoparticles for sugarcane fibre modification. <i>RSC Advances</i> , 2016, 6, 33554-33560.	3.6	6
66	Controlled preparation of micro-nano hierarchical hollow calcium carbonate microspheres by pressurized-CO <sub>2</sub> carbonization and their CaCO <sub>3</sub> :Eu <sup>3+</sup> photoluminescence properties. <i>CrystEngComm</i> , 2021, 23, 3033-3042.	2.6	6
67	Carboxymethylcellulose-chitosan film modified magnetic alkaline Ca-bentonite for the efficient removal of Pb(II) and Cd(II) from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30312-30322.	5.3	6
68	Facile separation of cinnamyl acetate and cinnamaldehyde based on host-guest complexation with $\beta$ -cyclodextrin. <i>Flavour and Fragrance Journal</i> , 2018, 33, 285-293.	2.6	5
69	Use of acid cation-exchange resin for catalytic conversion of soybean acid oil to biodiesel. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 123-131.	3.0	4
70	Rational Synthesis of 5,5,5-Tricyclic Fused Thiaheptaphyrin (1.1.1.1.1.0) From a Helical Oligopyrrin Hybrid. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1285-1289.	3.3	4
71	Synthesis and formation mechanism analysis of meso-microporous ZSM-5 with controllable mesoporous volume. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3442-3453.	3.2	4
72	Preparation of Ca- and Na-Modified Activated Clay as a Promising Heterogeneous Catalyst for Biodiesel Production via Transesterification. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4667.	2.5	4

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73	The recognition mechanism of crizotinib on MTH1: influence of chirality on the bioactivity. <i>Molecular Physics</i> , 2016, 114, 2364-2372.	1.7	3
74	Novel Gallium Polyoxometalate/Nano-Gold Hybrid Material Supported on Nano-sized Silica for Mild Cyclohexene Oxidation Using Molecular Oxygen. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 614-624.	1.9	3
75	A molecular dynamics study on the resilience of Sec61 channel from open to closed state. <i>RSC Advances</i> , 2019, 9, 14876-14883.	3.6	3
76	Investigation of the interaction between protein and europium doped polymer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 42-51.	2.2	2
77	Sensing characterization of Sn/In/Ti nanocomplex oxides for CO, CH <sub>4</sub> and NO <sub>2</sub> . <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 18-26.	0.9	1
78	Kinetic Model of Enzymatic Hydrolysis of Protein about the Protein of Silkworm Pupae – Alcalase System. , 2012, , .		1
79	Preparation and characterization of hemoglobin-silver composites as biocompatible antiseptics. <i>Journal of Biomaterials Applications</i> , 2016, 31, 773-783.	2.4	1
80	Synthesis of novel 4,4'-bis(2,4-pyrimidinyl)-diaminostilbene-2,2'-disulfonic acid derivatives and their whitening effect on cotton fiber as fluorescent whitening agents. <i>Textile Research Journal</i> , 2019, 89, 1448-1454.	2.2	1
81	The synthesis of high photocatalytic activity BiOBr nanosheets with dominant exposed (010) facets. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13040-13050.	2.2	1
82	THE EFFECT OF THE TYPE OF FILTER MEDIA USED ON THE BIOLOGICAL AERATED FILTER OF MUNICIPAL WASTEWATER. , 2004, , .		1
83	PREPARATION OF HIGH DS CASSAVA STARCH PHOSPHATE ESTER UNDER THE DRY PROCESS. , 2004, , .		1
84	Novel amino acid-stilbene quaternary ammonium salt fluorescent whitening agents: synthesis, optical properties, acid resistance and anti-bacterial activity. <i>Coloration Technology</i> , 0, , .	1.5	1
85	Cation-Anion-Based Physicochemical Mechanisms for Anodically-Coloring Electrochromic Nickel Oxide Thin Films. <i>ChemElectroChem</i> , 0, , .	3.4	1
86	PREDICTION OF VAPOR-LIQUID EQUILIBRIUM FOR QUATERNARY SYSTEM BASED ON THE CONSTITUENT TERNARY SYSTEMS DATA BY USING BP ARTIFICIAL NEURAL NETWORK. , 2004, , .		0
87	DEGRADATION OF COLOR AND COD IN WASTEWATER FROM SUGARCANE MOLASSES ALCOHOL BY ACTIVATED CARBON ADSORPTION. , 2004, , .		0
88	Notice of Retraction: Adsorption Characteristics of Zn(II) and Cu(II) on Alkaline Ca-Bentonite. , 2011, , .		0
89	Kinetics Study with Rigorous Nonlinear Methods for Thermal Decomposition of Polysaccharide Iron Complex. <i>Food Biophysics</i> , 2014, 9, 277-284.	3.0	0
90	PREPARATION AND CHARACTERIZATION OF HYDROXYL-Zr BENTONITE. , 2002, , .		0

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91	PERVAPORATIVE SEPARATION OF ORGANIC COMPOUNDS FROM WATER DURING BUTYL ACETATE PRODUCTION VIA ESTERIFICATION. , 2004, , .		0
92	BIODEGRADATION OF CYANIDE BY IMMOBILIZED CELLS ON THE ZEOLITE. , 2004, , .		0
93	STUDY OF THERMODYNAMIC PROPERTIES FOR TURPENTINE OIL SYSTEM. , 2004, , .		0
94	SIMULATION OF THE CRUDE ESTER DISTILLATION PROCESS OF PRODUCING N-BUTYL ACETATE BY CATALYTIC DISTILLATION. , 2004, , .		0
95	CEMENT-BASED PROCESS OF SOLIDIFICATION ON THE INDUSTRIAL HEAVY METAL SLUDGE. , 2004, , .		0