Yu Wang

List of Publications by Year in descending order

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35 papers	2,209 citations	361045 20 h-index	433756 31 g-index
35 all docs	35 docs citations	35 times ranked	1248 citing authors

#	Article	IF	Citations
1	Electro-conversion of methane to alcohols on â€œcapsule-likeâ€•binary metal oxide catalysts. Applied Catalysis B: Environmental, 2021, 282, 119572.	10.8	26
2	Concurrent atom transfer radical polymerization and nitroxide radical coupling relay polymerization. Chemical Communications, 2021, 57, 3331-3334.	2.2	0
3	Teaching Introductory Chemistry Online: The Application of Socio-Cognitive Theories to Improve Studentsâ€™ Learning Outcomes. Education Sciences, 2021, 11, 95.	1.4	6
4	ATRP by continuous feeding of activators: Limiting the end-group loss in the polymerizations of methyl methacrylate and styrene. Polymer, 2020, 188, 122097.	1.8	4
5	Macromolecular Engineering by Applying Concurrent Reactions with ATRP. Polymers, 2020, 12, 1706.	2.0	6
6	Exploring High-Activity Copper Doping Zirconia Bi-Metal Oxides Catalysts for Methane Conversion at Room Temperature. ECS Meeting Abstracts, 2020, MA2020-01, 1509-1509.	0.0	0
7	ATRP of Methyl Acrylate by Continuous Feeding of Activators Giving Polymers with Predictable End-Group Fidelity. Polymers, 2019, 11, 1238.	2.0	5
8	Radical Generation and Termination in SARA ATRP of Methyl Acrylate: Effect of Solvent, Ligand, and Chain Length. Macromolecules, 2016, 49, 2977-2984.	2.2	45
9	Smart Polymeric Nanoparticles: Combining Targeted Delivery, Imaging and Therapy into One Nanomedicine Platform. Journal of Bioanalysis & Biomedicine, 2015, 09, .	0.1	0
10	Aqueous RDRP in the Presence of Cu⁰: The Exceptional Activity of Cu^I Confirms the SARA ATRP Mechanism. Macromolecules, 2014, 47, 560-570.	2.2	187
11	SARA ATRP or SET-LRP. End of controversy?. Polymer Chemistry, 2014, 5, 4409.	1.9	266
12	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. A Critical Assessment of the SARA ATRP and SET-LRP Mechanisms. Macromolecules, 2013, 46, 8749-8772.	2.2	276
13	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Kinetic Simulation. Macromolecules, 2013, 46, 3816-3827.	2.2	83
14	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Comproportionationâ€“Disproportionation Equilibria and Kinetics. Macromolecules, 2013, 46, 3793-3802.	2.2	92
15	Reversible-Deactivation Radical Polymerization in the Presence of Metallic Copper. Activation of Alkyl Halides by Cu⁰. Macromolecules, 2013, 46, 3803-3815.	2.2	81
16	Improving the â€œLivingnessâ€•of ATRP by Reducing Cu Catalyst Concentration. Macromolecules, 2013, 46, 683-691.	2.2	132
17	Highâ€Pressure Atom Transfer Radical Polymerization of nâ€Butyl Acrylate. Macromolecular Rapid Communications, 2013, 34, 604-609.	2.0	25
18	Determination of ATRP Equilibrium Constants under Polymerization Conditions. ACS Macro Letters, 2012, 1, 1367-1370.	2.3	81

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19	Linear Gradient Quality of ATRP Copolymers. Macromolecules, 2012, 45, 8519-8531.	2.2	139
20	Iron-Based ICAR ATRP of Styrene with ppm Amounts of FeIIIBr3 and 1,1â€²-Azobis(cyclohexanecarbonitrile). ACS Macro Letters, 2012, 1, 599-602.	2.3	74
21	Halogen Conservation in Atom Transfer Radical Polymerization. Macromolecules, 2012, 45, 8929-8932.	2.2	43
22	Copper-Mediated CRP of Methyl Acrylate in the Presence of Metallic Copper: Effect of Ligand Structure on Reaction Kinetics. Macromolecules, 2012, 45, 78-86.	2.2	123
23	Enhanced Activity of ATRP Fe Catalysts with Phosphines Containing Electron Donating Groups. Macromolecules, 2012, 45, 5911-5915.	2.2	63
24	ATRP of MMA Catalyzed by Fe^{II}Br₂ in the Presence of Triflate Anions. Macromolecules, 2011, 44, 1226-1228.	2.2	52
25	ATRP of Methyl Acrylate with Metallic Zinc, Magnesium, and Iron as Reducing Agents and Supplemental Activators. Macromolecules, 2011, 44, 683-685.	2.2	182
26	ATRP of MMA with ppm Levels of Iron Catalyst. Macromolecules, 2011, 44, 4022-4025.	2.2	96
27	ATRP of MMA in Polar Solvents Catalyzed by FeBr₂ without Additional Ligand. Macromolecules, 2010, 43, 4003-4005.	2.2	89
28	QUADRUPOLAR HYDROGEN BONDED HYPERBRANCHED POLYMERS AND THEIR COATING MATERIALS. Acta Polymerica Sinica, 2009, 009, 93-96.	0.0	1
29	UNCOMMON MELT RHEOLOGICAL BEHAVIOR OF HYPERBRANCHEDPOLYMERS BEARING QUADRUPLE HYDROGEN BONDING UNITS. Acta Polymerica Sinica, 2009, 009, 581-585.	0.0	1
30	HYPERBRANCHED POLYMER WITH QUADRUPLE HYDROGEN BONDING RECOGNIZING UNITS. Acta Polymerica Sinica, 2009, 007, 1092-1096.	0.0	0
31	Selfâ€Assembly of Diblock Copolymers into Novel Snowflakeâ€Shaped Aggregates Driven by Quadruple Hydrogen Bonding. Macromolecular Rapid Communications, 2008, 29, 258-263.	2.0	2
32	Novel hot-melting hyperbranched poly(esterâ€“amine) bearing self-complementary quadruple hydrogen bonding units. Chinese Chemical Letters, 2008, 19, 868-870.	4.8	9
33	A facile approach to fabricate functional 3D macroscopic silica microtube networks using N,Nâ€²-methylenediacrylamide organogel as template. Chemical Communications, 2008, , 5113.	2.2	13
34	SYNTHESIS AND CHARACTERIZATION OF WELL-DEFINED BLOCK COPOLYMERS CONTAINING PENDANT, SELF-COMPLEMENTARY QUADRUPLE HYDROGEN BONDING SITES. Chinese Journal of Polymer Science (English Edition), 2008, 26, 767.	2.0	2
35	INFLUENCE OF MOLECULAR STRUCTURES OF SECONDARY AMINE TERMINATED POLY(ESTER-AMINE)S ON THE CURING PERFORMANCE WITH EPOXY RESIN. Chinese Journal of Polymer Science (English Edition), 2007, 25, 545.	2.0	5