

# Chi-How Peng

## List of Publications by Year in descending order

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36  
papers

874  
citations

567281

15  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

558  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organo-Cobalt Mediated Living Radical Polymerization of Vinyl Acetate. <i>Macromolecules</i> , 2008, 41, 2368-2373.	4.8	114
2	Exchange of Organic Radicals with Organo-Cobalt Complexes Formed in the Living Radical Polymerization of Vinyl Acetate. <i>Journal of the American Chemical Society</i> , 2008, 130, 13373-13381.	13.7	96
3	Degenerative Transfer and Reversible Termination Mechanisms for Living Radical Polymerizations Mediated by Cobalt Porphyrins. <i>Macromolecules</i> , 2006, 39, 8219-8222.	4.8	90
4	A well-defined, versatile photoinitiator (salen)Co <sup>II</sup> (CO <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub> for visible light-initiated living/controlled radical polymerization. <i>Chemical Science</i> , 2015, 6, 2979-2988.	7.4	69
5	Organocobalt Mediated Radical Polymerization of Acrylic Acid in Water. <i>Macromolecules</i> , 2007, 40, 6814-6819.	4.8	68
6	Reversible deactivation radical polymerization mediated by cobalt complexes: recent progress and perspectives. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8580-8587.	2.8	61
7	Living radical polymerization of vinyl acetate and methyl acrylate mediated by Co(Salen*) complexes. <i>Polymer Chemistry</i> , 2013, 4, 3098.	3.9	58
8	Visible-Light-Induced Living Radical Polymerization (LRP) Mediated by (salen)Co(II)/TPO at Ambient Temperature. <i>Macromolecules</i> , 2015, 48, 5132-5139.	4.8	39
9	Vinyl acetate living radical polymerization mediated by cobalt porphyrins: kinetic/mechanistic studies. <i>Polymer Chemistry</i> , 2014, 5, 3867-3875.	3.9	38
10	Highly efficient gene release in spatiotemporal precision approached by light and pH dual responsive copolymers. <i>Chemical Science</i> , 2019, 10, 284-292.	7.4	25
11	The Mechanism and Thermodynamic Studies of CMRP: Different Control Mechanisms Demonstrated by Co <sup>II</sup> (TMP), Co <sup>II</sup> (salen*), and Co <sup>II</sup> (acac) <sub>2</sub> Mediated Polymerization, and the Correlation of Reduction Potential, Equilibrium Constant, and Control Mechanism. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 422-432.	2.2	24
12	Formation and Interconversion of Organo-Cobalt Complexes in Reactions of Cobalt(II) Porphyrins with Cyanoalkyl Radicals and Vinyl Olefins. <i>Inorganic Chemistry</i> , 2009, 48, 5039-5046.	4.0	23
13	Hybridization of CMRP and ATRP: A Direct Living Chain Extension from Poly(vinyl acetate) to Poly(methyl methacrylate) and Polystyrene. <i>Macromolecules</i> , 2015, 48, 6832-6838.	4.8	20
14	Cobalt Bipyridine Bisphenolate Complex in Controlled/Living Radical Polymerization of Vinyl Monomers. <i>Macromolecules</i> , 2014, 47, 7362-7369.	4.8	17
15	Aspects of Living Radical Polymerization Mediated by Cobalt Porphyrin Complexes. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 219-233.	1.4	16
16	Amorphous flexible covalent organic networks containing redox-active moieties: a noncrystalline approach to the assembly of functional molecules. <i>Chemical Science</i> , 2020, 11, 7003-7008.	7.4	14
17	Tacticity control approached by visible-light induced organocobalt-mediated radical polymerization: the synthesis of crystalline poly( <i>N,N</i> -dimethylacrylamide) with high isotacticity. <i>Polymer Chemistry</i> , 2020, 11, 4387-4395.	3.9	13
18	Cylindrical micelles of a POSS amphiphilic dendrimer as nano-reactors for polymerization. <i>Nanoscale</i> , 2018, 10, 3509-3517.	5.6	12

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19	Highly Stretchable Free-Standing Poly(acrylic acid)- <i>block</i> -poly(vinyl alcohol) Films Obtained from Cobalt-Mediated Radical Polymerization. <i>Macromolecules</i> , 2017, 50, 6054-6063.	4.8	10
20	Living Radical Polymerizations Mediated by Metallo-Radical and Organo-Transition Metal Complexes. <i>ACS Symposium Series</i> , 2006, , 358-371.	0.5	9
21	Visible-Light-Induced Living/Controlled Radical Copolymerization of 1-Octene and Acrylic Monomers Mediated by Organocobalt Complexes. <i>Macromolecules</i> , 2020, 53, 212-222.	4.8	9
22	Synthesis of functional 1,2-dithiolanes from 1,3-bis-tert-butyl thioethers. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6509-6513.	2.8	8
23	Organo-cobalt Complexes in Reversible Deactivation Radical Polymerization. <i>Chemical Record</i> , 2021, 21, 3628-3647.	5.8	6
24	Glass-transition-induced color-changing resins containing layered polydiacetylene. <i>Chemical Communications</i> , 2019, 55, 11723-11726.	4.1	5
25	Shaping the Light: The Key Factors Affecting the Photophysical Properties of Fluorescent Polymer Nanostructures. <i>Macromolecular Rapid Communications</i> , 2016, 37, 2037-2044.	3.9	4
26	Cobalt(II) phenoxy-imine complexes in radical polymerization of vinyl acetate: The interplay of catalytic chain transfer and controlled/living radical polymerization. <i>Journal of Polymer Science</i> , 2020, 58, 101-113.	3.8	4
27	Computation-Assisted Investigation of Polymer Kinetics: Mechanism of the Hybridization of Cobalt-Mediated Radical Polymerization and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2020, 53, 10855-10865.	4.8	4
28	Transition Metal Titanophosphates with Intercalated Molecular Photoluminescence and Catalytic Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 13583-13586.	3.3	3
29	Catalytic Chain Transfer Polymerization and Reversible Deactivation Radical Polymerization of Vinyl Acetate Mediated by Cobalt(II) Phenoxy-imine Complexes. <i>ACS Symposium Series</i> , 2018, , 335-348.	0.5	3
30	Polystyrene with Persistently Enhanced Fluorescence: Photo-Induced Atom Transfer Radical Polymerization Using a Pyrene-Based Initiator. <i>ChemPhotoChem</i> , 2019, 3, 1153-1161.	3.0	3
31	Reversible-deactivation radical polymerization of vinyl acetate mediated by tralen, an organomediator. <i>Polymer Chemistry</i> , 2021, 12, 5159-5167.	3.9	3
32	Coordination of Azobisisobutyronitrile with Cobalt Complexes in Cobalt-Mediated Radical Polymerization Disclosed by Linear Correlation between the Equilibrium Constant and Half-Wave Potential. <i>Macromolecules</i> , 0, , .	4.8	3
33	Aluminum Tralen Complex Mediated Reversible-Deactivation Radical Polymerization of Vinyl Acetate. <i>ACS Macro Letters</i> , 2020, 9, 1423-1428.	4.8	2
34	Development of dipyridine-based coordinative polymers for reusable heterogeneous catalysts. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1119-1133.	1.4	1
35	Macromol. Rapid Commun. 5/2015. <i>Macromolecular Rapid Communications</i> , 2015, 36, 500-500.	3.9	0
36	Synthesis of polystyrene living nanoparticles (LNPs) in water via nano-confined free radical polymerization. <i>Polymer Chemistry</i> , 2020, 11, 7349-7353.	3.9	0