

# Yang Sun

## List of Publications by Year in descending order

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57  
papers

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citations

218677

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docs citations

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times ranked

2534  
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#	ARTICLE	IF	CITATIONS
1	Multilevel measurements of fluxes and turbulence over an urban landscape in Beijing. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 65, 20421.	1.6	12
2	Vertical evolution of black and brown carbon during pollution events over North China Plain. <i>Science of the Total Environment</i> , 2022, 806, 150950.	8.0	6
3	Air stagnation in China: Spatiotemporal variability and differing impact on PM2.5 and O3 during 2013–2018. <i>Science of the Total Environment</i> , 2022, 819, 152778.	8.0	17
4	CF <sub>3</sub> O-Functionalized Bis(arylimino)pyridine–Cobalt Ethylene Polymerization Catalysts: Harnessing Solvent Effects on Performance and Polymer Properties. <i>Organometallics</i> , 2022, 41, 3237-3248.	2.3	10
5	Exploring the variation of black and brown carbon during COVID-19 lockdown in megacity Wuhan and its surrounding cities, China. <i>Science of the Total Environment</i> , 2021, 791, 148226.	8.0	9
6	Remote dibenzocycloheptyl substitution on a bis(arylimino)pyridyl-iron ethylene polymerization catalyst; enhanced thermal stability and unexpected effects on polymer properties. <i>Polymer Chemistry</i> , 2021, 12, 4214-4225.	3.9	14
7	2-Acetyloxymethyl-substituted 5,6,7-trihydroquinolinyl-ylideneamine–Ni(II) chlorides and their application in ethylene dimerization/trimerization. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5254.	3.5	11
8	Emission characteristics of size distribution, chemical composition and light absorption of particles from field-scale crop residue burning in Northeast China. <i>Science of the Total Environment</i> , 2020, 710, 136304.	8.0	26
9	Exploring the regional pollution characteristics and meteorological formation mechanism of PM2.5 in North China during 2013–2017. <i>Environment International</i> , 2020, 134, 105283.	10.0	73
10	Rapid demulsification of pickering emulsions triggered by controllable magnetic field. <i>Scientific Reports</i> , 2020, 10, 16565.	3.3	7
11	Revisiting the Concentration Observations and Source Apportionment of Atmospheric Ammonia. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 933-938.	4.3	36
12	Sterically and Electronically Modified Aryliminopyridyl-Nickel Bromide Precatalysts for an Access to Branched Polyethylene with Vinyl/Vinylene End Groups. <i>ACS Omega</i> , 2020, 5, 10610-10625.	3.5	18
13	Automatic Modulation Classification and SNR Estimation Based on CNN in Physical-layer Network Coding. , 2020, , .		0
14	Light-Driven Crawling of Molecular Crystals by Phase-Dependent Transient Elastic Lattice Deformation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10337-10342.	13.8	10
15	Light-Driven Crawling of Molecular Crystals by Phase-Dependent Transient Elastic Lattice Deformation. <i>Angewandte Chemie</i> , 2020, 132, 10423-10428.	2.0	1
16	A 23.8Tbps Random Number Generator on a Single GPU. , 2020, , .		1
17	Exceptionally high molecular weight linear polyethylene by using N,N,N'-Co catalysts appended with a N,N'-bis{di(4-fluorophenyl)methyl}-nitrophenyl group. <i>Applied Organometallic Chemistry</i> , 2019, 33, 5 e5157.		13
18	Plastomeric-like polyethylenes achievable using thermally robust Ni <sup>2+</sup> -nickel catalysts appended with electron withdrawing difluorobenzhydryl and nitro groups. <i>Dalton Transactions</i> , 2019, 48, 1878-1891.	3.3	30

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19	Achievement of strictly linear ultra-high molecular weight polyethylene with narrow dispersity by dint of nitro-enhanced 2,6-bis(imino)pyridylchromium chloride complexes. <i>New Journal of Chemistry</i> , 2019, 43, 11307-11315.	2.8	7
20	Activity and Thermal Stability of Cobalt(II)-Based Olefin Polymerization Catalysts Adorned with Sterically Hindered Dibenzocycloheptyl Groups. <i>Molecules</i> , 2019, 24, 2007.	3.8	22
21	Access to polyethylene elastomers via ethylene homo-polymerization using N,N <sup>2</sup> -nickel(II) catalysts appended with electron withdrawing difluorobenzhydryl group. <i>European Polymer Journal</i> , 2019, 117, 254-271.	5.4	27
22	Producing highly linear polyethylenes by using t-butyl-functionalized 2,6-bis(imino)pyridylchromium(III) chlorides. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1049-1058.	2.3	8
23	Moderately branched ultra-high molecular weight polyethylene by using N,N <sup>2</sup> -nickel catalysts adorned with sterically hindered dibenzocycloheptyl groups. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4749.	3.5	34
24	Highly Linear Polyethylenes Achieved Using Thermo-Stable and Efficient Cobalt Precatalysts Bearing Carbocyclic-Fused NNN-Pincer Ligand. <i>Molecules</i> , 2019, 24, 1176.	3.8	30
25	The carbonaceous aerosol levels still remain a challenge in the Beijing-Tianjin-Hebei region of China: Insights from continuous high temporal resolution measurements in multiple cities. <i>Environment International</i> , 2019, 126, 171-183.	10.0	73
26	Two-year continuous measurements of carbonaceous aerosols in urban Beijing, China: Temporal variations, characteristics and source analyses. <i>Chemosphere</i> , 2018, 200, 191-200.	8.2	48
27	Vinyl/Vinylene functionalized highly branched polyethylene waxes obtained using electronically controlled cyclohexyl-fused pyridinylimine-nickel precatalysts. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1269-1281.	2.3	21
28	Oligo-fluoropolymer Modified Cycloaliphatic Epoxy Resins with Excellent Compatibility, Waterproof and Mechanical Properties for LED Encapsulation. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 326-332.	2.6	3
29	Cycloheptyl-fused N,N,N <sup>2</sup> -chromium catalysts with selectivity for vinyl-terminated polyethylene waxes: thermal optimization and polymer functionalization. <i>Dalton Transactions</i> , 2018, 47, 13487-13497.	3.3	28
30	PM2.5 Characteristics and Regional Transport Contribution in Five Cities in Southern North China Plain, During 2013-2015. <i>Atmosphere</i> , 2018, 9, 157.	2.3	20
31	Heavy pollution episodes, transport pathways and potential sources of PM2.5 during the winter of 2013 in Chengdu (China). <i>Science of the Total Environment</i> , 2017, 584-585, 1056-1065.	8.0	165
32	From polyethylene waxes to HDPE using an $\mu_2$ -bis(arylimino)-2,3:5,6-bis(pentamethylene)pyridyl-chromium( <sup>III</sup> ) chloride pre-catalyst in ethylene polymerisation. <i>Dalton Transactions</i> , 2017, 46, 6948-6957.	3.3	53
33	Elastomeric polyethylenes accessible via ethylene homo-polymerization using an unsymmetrical $\mu_2$ -diimino-nickel catalyst. <i>Polymer Chemistry</i> , 2017, 8, 2785-2795.	3.9	87
34	Lithium Quinolyamidates Efficiently Promoting Ring-Opening Polymerization of $\epsilon$ -Caprolactone: Synthesis and <sup>7</sup> Li NMR Spectroscopic Studies. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2653-2660.	2.0	6
35	Vinyl-Polyethylene Waxes with Narrow Dispersity Obtained by Using a Thermally Robust [Bis(imino)trihydroquinolyl]chromium Catalyst. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4158-4166.	2.0	29
36	Quantification of the impact of aerosol on broadband solar radiation in North China. <i>Scientific Reports</i> , 2017, 7, 44851.	3.3	45

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37	Molecular weight control of polyethylene waxes using a constrained imino- $\epsilon$ -cyclopenta[ <i>b</i> ]pyridyl-nickel catalyst. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3494-3505.	2.3	10
38	A practical ethylene polymerization for vinyl-polyethylenes: synthesis, characterization and catalytic behavior of $\beta$ -bisimino-2,3:5,6-bis(pentamethylene)pyridyliron chlorides. <i>Polymer Chemistry</i> , 2016, 7, 4188-4197.	3.9	65
39	Highly linear polyethylenes using the 2-(1-(2,4-dibenzhydrylnaphthylimino)ethyl)-6-(1-(arylimino)ethyl)-pyridylcobalt chlorides: synthesis, characterization and ethylene polymerization. <i>Science China Chemistry</i> , 2016, 59, 1291-1300.	8.2	29
40	The observation-based relationships between $PM_{2.5}$ and AOD over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,701.	3.3	47
41	Thermally stable and highly active cobalt precatalysts for vinyl-polyethylenes with narrow polydispersities: integrating fused-ring and imino-carbon protection into ligand design. <i>New Journal of Chemistry</i> , 2016, 40, 8012-8023.	2.8	58
42	Quinolyne Amidinates Chelating Bimetallic Magnesium and Mononuclear Aluminum Complexes for $\epsilon$ -Caprolactone Polymerization. <i>ChemistrySelect</i> , 2016, 1, 5660-5665.	1.5	9
43	Raising the N-aryl fluoride content in unsymmetrical diaryliminoacenaphthylenes as a route to highly active nickel( $\sigma$ ) catalysts in ethylene polymerization. <i>Dalton Transactions</i> , 2016, 45, 18313-18323.	3.3	51
44	A novel mono-methacryloyloxy terminated fluorinated macromonomer used for the modification of UV curable acrylic copolymers. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	6
45	Process analysis of characteristics of the boundary layer during a heavy haze pollution episode in an inland megacity, China. <i>Journal of Environmental Sciences</i> , 2016, 40, 138-144.	6.1	22
46	Nano- and micro-structured random copolymer modified cycloaliphatic epoxy resins for use as light-emitting diode encapsulation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 201-209.	2.2	11
47	Organic composition of gasoline and its potential effects on air pollution in North China. <i>Science China Chemistry</i> , 2015, 58, 1416-1425.	8.2	25
48	Characterization of organic aerosols in Beijing using an aerodyne high-resolution aerosol mass spectrometer. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 877-888.	4.3	29
49	Synthesis and characterization of novel acrylic comb-shaped copolymer containing long fluorinated side chains. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	6
50	Mechanism for the formation of the January 2013 heavy haze pollution episode over central and eastern China. <i>Science China Earth Sciences</i> , 2014, 57, 14-25.	5.2	626
51	Reductions of $PM_{2.5}$ in Beijing-Tianjin-Hebei urban agglomerations during the 2008 Olympic Games. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 1330-1342.	4.3	48
52	Using synoptic classification and trajectory analysis to assess air quality during the winter heating period in $\text{Aer} \frac{1}{4}$ mqi, China. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 307-319.	4.3	5
53	In situ measurement of $PM_{10}$ organic aerosol in Beijing winter using a high-resolution aerosol mass spectrometer. <i>Science Bulletin</i> , 2012, 57, 819-826.	1.7	36
54	In situ measurements of $SO_2$ , $NO_x$ , $NO_y$ , and $O_3$ in Beijing, China during August 2008. <i>Science of the Total Environment</i> , 2011, 409, 933-940.	8.0	65

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55	Vertical observations and analysis of PM <sub>2.5</sub> , O <sub>3</sub> , and NO <sub>x</sub> at Beijing and Tianjin from towers during summer and Autumn 2006. <i>Advances in Atmospheric Sciences</i> , 2010, 27, 123-136.	4.3	52
56	Variability and reduction of atmospheric pollutants in Beijing and its surrounding area during the Beijing 2008 Olympic Games. <i>Science Bulletin</i> , 2010, 55, 1937-1944.	1.7	70
57	Preliminary research on Megalake Jilantai-Hetao in the arid areas of China during the Late Quaternary. <i>Science Bulletin</i> , 2008, 53, 1725-1739.	9.0	62