Changsik Song

List of Publications by Year
in descending order

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88	2,736	236925 25	189892 50
papers	citations	h-index	g-index

88	88	88	4705
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unconventional assemblies of bisacylhydrazones: The role of water for circularly polarized luminescence. Aggregate, 2022, 3, .	9.9	3
2	N-Triflyl Phosphoric Triamide: A High-Performance Purely Organic Trifurcate Quartz Crystal Microbalance Sensor for Chemical Warfare Agent. ACS Sensors, 2022, 7, 423-429.	7.8	9
3	Aqueous lubrication and wear properties of nonionic bottle-brush polymers. RSC Advances, 2022, 12, 17740-17746.	3.6	2
4	Structure Code for Advanced Polymer Electrolyte in Lithiumâ€ion Batteries. Advanced Functional Materials, 2021, 31, 2008208.	14.9	77
5	Additive-free photo-mediated oxidative cyclization of pyridinium acylhydrazones to 1,3,4-oxadiazoles: solid-state conversion in a microporous organic polymer and supramolecular energy-level engineering. RSC Advances, 2021, 11, 1969-1975.	3.6	1
6	Microcrystal Electron Diffraction Elucidates Water-Specific Polymorphism-Induced Emission Enhancement of Bis-arylacylhydrazone. ACS Applied Materials & Interfaces, 2021, 13, 7546-7555.	8.0	8
7	Thiourea-Based Soft Actuators from Photo-triggered Fluoride Generation and Amplification. ACS Applied Polymer Materials, 2021, 3, 1595-1601.	4.4	2
8	Facile Mechanochemical Synthesis of Malleable Biomass-Derived Network Polyurethanes and Their Shape-Memory Applications. ACS Sustainable Chemistry and Engineering, 2021, 9, 6952-6961.	6.7	31
9	Highâ€Temperature Skin Softening Materials Overcoming the Tradeâ€Off between Thermal Conductivity and Thermal Contact Resistance. Small, 2021, 17, e2102128.	10.0	14
10	Inter- and Intra-Hydrogen Bonding Strategy to Control the Fluorescence of Acylhydrazone-Based Conjugated Microporous Polymers and Their Application to Nitroaromatics Detection. Macromol, 2021, 1, 234-242.	4.4	2
11	Furandiacylazide: A Biomass-Derived Versatile Polymer Platform toward Photodegradable and Nonflammable Polyurethanes. ACS Applied Polymer Materials, 2021, 3, 5767-5777.	4.4	6
12	Polyelectrolyte-derived adhesive, super-stretchable hydrogel for a stable, wireless wearable sensor. Journal of Materials Chemistry C, 2021, 9, 16778-16787.	5.5	7
13	Self-Healable and Recyclable Biomass-Derived Polyurethane Networks through Carbon Dioxide Immobilization. Polymers, 2021, 13, 4381.	4.5	4
14	Carbon nanotube covalent bonding mediates extraordinary electron and phonon transports in soft epoxy matrix interface materials. Carbon, 2020, 157, 12-21.	10.3	34
15	Suppressing Ï€â€“Ï€ stacking interactions for enhanced solid-state emission of flat aromatic moleculesviaedge functionalization with picket-fence-type groups. Journal of Materials Chemistry C, 2020, 8, 17289-17296.	5.5	16
16	Improved Performance of Surface Acoustic Wave Sensors by Plasma Treatments for Chemical Warfare Agents Monitoring. Journal of Nanoscience and Nanotechnology, 2020, 20, 7145-7150.	0.9	4
17	Facile Solid-State Mechanochemical Synthesis of Eco-Friendly Thermoplastic Polyurethanes and Copolymers Using a Biomass-Derived Furan Diol. ACS Sustainable Chemistry and Engineering, 2020, 8, 4400-4406.	6.7	40
18	Solid-State Emissive Metallo-Supramolecular Assemblies of Quinoline-Based Acyl Hydrazone. Sensors, 2020, 20, 600.	3.8	4

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19	Four-Channel Monitoring System with Surface Acoustic Wave Sensors for Detection of Chemical Warfare Agents. Journal of Nanoscience and Nanotechnology, 2020, 20, 7151-7157.	0.9	11
20	Anion-Responsive Thiourea-Based Gel Actuator. Chemistry of Materials, 2019, 31, 5735-5741.	6.7	16
21	Biomassâ€derived furanic polycarbonates: Mild synthesis and control of the glass transition temperature. Journal of Polymer Science Part A, 2019, 57, 1796-1800.	2.3	18
22	Hyper-Cross-Linked Polymer on the Hollow Conjugated Microporous Polymer Platform: A Heterogeneous Catalytic System for Poly(caprolactone) Synthesis. ACS Macro Letters, 2019, 8, 687-693.	4.8	28
23	Synchronous Polymerization of 3,4-Ethylenedioxythiophene and Pyrrole by Plasma Enhanced Chemical Vapor Deposition (PECVD) for Conductive Thin Film with Tunable Energy Bandgap. Macromolecular Research, 2019, 27, 243-249.	2.4	10
24	Binding thiourea derivatives with dimethyl methylphosphonate for sensing nerve agents. RSC Advances, 2019, 9, 10693-10701.	3.6	8
25	Single-Walled Carbon-Nanotube-Based Chemocapacitive Sensors with Molecular Receptors for Selective Detection of Chemical Warfare Agents. ACS Applied Nano Materials, 2019, 2, 109-117.	5.0	18
26	A General Approach to Synthesize Metal Nanostructures by Using Cucurbit[7]uril. Nano, 2018, 13, 1850007.	1.0	3
27	Terpyridine-functionalized stimuli-responsive microgels and their assembly through metalâ€“ligand interactions. Polymer Chemistry, 2018, 9, 1032-1039.	3.9	19
28	Copper-Catalyzed Aza-Michael Addition of 2-Aminobenzoate to Î²-Substituted Î±,Î²-Unsaturated Ketones: One-Pot Synthesis of 3-Carbonyl-2-Substituted Quinolin-4(1H)-ones. Journal of Organic Chemistry, 2018, 83, 2694-2705.	3.2	29
29	Large-scale separation of single-walled carbon nanotubes by electronic type using click chemistry. Applied Surface Science, 2018, 429, 278-283.	6.1	12
30	Round-patterned ZnO nanostructure coated with siloxane-based polymer for nerve agent detection. Applied Surface Science, 2018, 429, 237-243.	6.1	1
31	Reversible Assembly of Terpyridine Incorporated Norbornene-Based Polymer via a Ring-Opening Metathesis Polymerization and Its Self-Healing Property. Polymers, 2018, 10, 1173.	4.5	10
32	Dynamic Covalent Hydrazone Supramolecular Polymers toward Multiresponsive Self-Assembled Nanowire System. Macromolecules, 2018, 51, 8278-8285.	4.8	13
33	UV-mediated synthesis of pNIPAM-crosslinked double-network alginate hydrogels: Enhanced mechanical and shape-memory properties by metal ions and temperature. Polymer, 2018, 149, 206-212.	3.8	26
34	Repairable photoactive polymer systems via metalâ€“terpyridine-based self-assembly. Polymer Chemistry, 2017, 8, 1923-1931.	3.9	12
35	Cooperative Binding of Metal Cations to a Spiropyranâ€Conjugated Calix[4]arene. ChemistrySelect, 2017, 2, 3527-3533.	1.5	4
36	Three-Dimensional Electroconductive Hyaluronic Acid Hydrogels Incorporated with Carbon Nanotubes and Polypyrrole by Catechol-Mediated Dispersion Enhance Neurogenesis of Human Neural Stem Cells. Biomacromolecules, 2017, 18, 3060-3072.	5.4	144

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37	Structural Effect of Thioureas on the Detection of Chemical Warfare Agent Simulants. ACS Sensors, 2017, 2, 1146-1151.	7.8	27
38	Tuning Sensory Properties of Triazole-Conjugated Spiropyrans: Metal-Ion Selectivity and Paper-Based Colorimetric Detection of Cyanide. Sensors, 2017, 17, 1816.	3.8	9
39	Synthesis of Thienotropone-Containing Conjugated Polymers and Their Acid Doping Property. Science of Advanced Materials, 2017, 9, 1373-1376.	0.7	0
40	Fabrication of a superhydrophobic and oleophobic PTFE membrane: An application to selective gas permeation. Materials Research Bulletin, 2016, 83, 88-95.	5.2	27
41	Low-temperature plasma polymerization of dicyclopentadiene for anti-corrosion properties. Polymer, 2016, 92, 133-139.	3.8	7
42	Selective dispersion of single-walled carbon nanotubes by binaphthyl-based conjugated polymers: Integrated experimental and simulation approach. Polymer, 2016, 96, 63-69.	3.8	8
43	Binaphthyl-incorporated Ï€-conjugated polymer/gold nanoparticle hybrids: a facile size- and shape-tailored synthesis. RSC Advances, 2016, 6, 107994-107999.	3.6	3
44	Binaphthyl-based molecular barrier materials for phosphoric acid poisoning in high-temperature proton exchange membrane fuel cells. RSC Advances, 2016, 6, 60749-60755.	3.6	12
45	Growth kinetics of plasma-polymerized films. Scientific Reports, 2015, 5, 11201.	3.3	11
46	Antiproliferative and Apoptosis-Inducing Activities of 4-Isopropyl-2,6-bis(1-phenylethyl)phenol Isolated from Butanol Fraction ofCordyceps bassiana. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-10.	1.2	5
47	Synthesis of electroconductive hydrogel films by an electro-controlled click reaction and their application to drug delivery systems. Polymer Chemistry, 2015, 6, 4473-4478.	3.9	29
48	Enhanced photoinduced electron transfer by multiwalled carbon nanotubes in self-assembled terpyridine polymer networks. Polymer, 2015, 69, 39-44.	3.8	5
49	Conductive polythiophene-like thin film synthesized using controlled plasma processes. Thin Solid Films, 2015, 587, 66-70.	1.8	13
50	Enhancement of Photoinduced Electron Transfer in Self-Assembled Polymer Films Using Mixed Metalâ€“Terpyridine Complexes. Macromolecules, 2015, 48, 1621-1626.	4.8	6
51	Simple noncovalent hybridization of polyaniline with graphene and its application for pseudocapacitor. Synthetic Metals, 2015, 209, 60-67.	3.9	16
52	Chemically Driven, Water-Soluble Composites of Carbon Nanotubes and Silver Nanoparticles as Stretchable Conductors. ACS Macro Letters, 2015, 4, 769-773.	4.8	14
53	Synthesis and electronic properties of N-heterocyclic carbene-containing conducting polymers with coinage metals. RSC Advances, 2015, 5, 60892-60897.	3.6	12
54	Synthesis, anti-microbial activity and molecular docking studies on triazolylcoumarin derivatives. Journal of Chemical Sciences, 2015, 127, 565-574.	1.5	6

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55	Torsionally Responsive Tropone-Fused Conjugated Polymers. Macromolecules, 2015, 48, 7015-7023.	4.8	5
56	Triazole-conjugated spiropyran: synthesis, selectivity toward Cu(II), and binding study. Tetrahedron Letters, 2015, 56, 6080-6084.	1.4	22
57	Synthesis, photophysical and electrochemical properties of stilbenoid dendrimers with phenothiazine surface group. Tetrahedron Letters, 2015, 56, 321-326.	1.4	12
58	Design and Synthesis of Hexafluoroisopropyl Alcohol Functionalized Polymers for Chemical Warfare Agent Detection with a Quartz Crystal Microbalance. Nanoscience and Nanotechnology Letters, 2015, 7, 1009-1014.	0.4	0
59	Effects of chemical fuel composition on energy generation from thermopower waves. Nanotechnology, 2014, 25, 445403.	2.6	18
60	Effect of distance from discharge to substrate on plasma-polymerized polythiophenes. Surface and Coatings Technology, 2014, 259, 27-32.	4.8	10
61	Anti-inflammatory activities and mechanisms of Artemisia asiatica ethanol extract. Journal of Ethnopharmacology, 2014, 152, 487-496.	4.1	63
62	N-Heterocyclic Carbene-Based Conducting Polymerâ€“Gold Nanoparticle Hybrids and Their Catalytic Application. Macromolecules, 2014, 47, 6566-6571.	4.8	55
63	Facile electrochemical synthesis of polydopamine-incorporated graphene oxide/PEDOT hybrid thin films for pseudocapacitive behaviors. Synthetic Metals, 2014, 195, 162-166.	3.9	25
64	Long dsRNA-Mediated RNA Interference and Immunostimulation: A Targeted Delivery Approach Using Polyethyleneimine Based Nano-Carriers. Molecular Pharmaceutics, 2014, 11, 872-884.	4.6	22
65	Annulated Borepin-1-ol: Coordinative Control of Aromaticity and Photophysical Properties. Chemistry Letters, 2014, 43, 1432-1434.	1.3	7
66	Binaphthyl-containing electroactive polymer networks by ring-opening metathesis polymerization. Macromolecular Research, 2013, 21, 1159-1162.	2.4	2
67	Molecular interactions of polyimides with single-walled carbon nanotubes. Polymer Chemistry, 2013, 4, 290-295.	3.9	12
68	Electroactive polymer sensors for chiral amines based on optically active 1,1â€²-binaphthyls. Materials Express, 2013, 3, 119-126.	0.5	13
69	Towards fabrication of high-performing organic photovoltaics: new donor-polymer, atomic layer deposited thin buffer layer and plasmonic effects. Energy and Environmental Science, 2012, 5, 9803.	30.8	78
70	Effects of Substituent on Binaphthyl Hinge-Containing Conductive Polymers. Macromolecules, 2012, 45, 9571-9578.	4.8	11
71	Synthesis of single-walled carbon nanotube-incorporated polymer hydrogels via click chemistry. Polymer Chemistry, 2012, 3, 2451.	3.9	18
72	Role of Adsorbed Surfactant in the Reaction of Aryl Diazonium Salts with Single-Walled Carbon Nanotubes. Langmuir, 2012, 28, 1309-1321.	3.5	37

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73	Role of Specific Amine Surface Configurations for Grafted Surfaces: Implications for Nanostructured CO₂ Adsorbents. Langmuir, 2011, 27, 2861-2872.	3.5	12
74	Synthesis and Energy Release of Nitrobenzene-Functionalized Single-Walled Carbon Nanotubes. Chemistry of Materials, 2011, 23, 4557-4562.	6.7	29
75	Evidence for High-Efficiency Exciton Dissociation at Polymer/Single-Walled Carbon Nanotube Interfaces in Planar Nano-heterojunction Photovoltaics. ACS Nano, 2010, 4, 6251-6259.	14.6	82
76	Exciton antennas and concentrators from coreâ€“shell and corrugated carbon nanotube filaments of homogeneous composition. Nature Materials, 2010, 9, 833-839.	27.5	75
77	Conducting Thiophene-Annulated Azepine Polymers. Macromolecules, 2010, 43, 5233-5237.	4.8	14
78	Chemically driven carbon-nanotube-guided thermopower waves. Nature Materials, 2010, 9, 423-429.	27.5	276
79	Reactive Conducting Thiepin Polymers. Journal of Organic Chemistry, 2010, 75, 999-1005.	3.2	27
80	The rational design of nitric oxide selectivity in single-walled carbon nanotube near-infrared fluorescence sensors for biological detection. Nature Chemistry, 2009, 1, 473-481.	13.6	238
81	Conducting Polymers Containing peri-Xanthenoxanthenes via Oxidative Cyclization of Binaphthols. Macromolecules, 2009, 42, 1472-1475.	4.8	20
82	Controllable Synthesis of Single-Walled Carbon Nanotube Framework Membranes and Capsules. Nano Letters, 2009, 9, 4279-4284.	9.1	16
83	Ï€-Dimer Formation in an Oligothiophene Tweezer Molecule. Organic Letters, 2008, 10, 5003-5005.	4.6	39
84	Ï€-Dimer Formation as the Driving Force for Calix[4]arene-Based Molecular Actuators. Organic Letters, 2008, 10, 3575-3578.	4.6	71
85	TOTAPOL: A Biradical Polarizing Agent for Dynamic Nuclear Polarization Experiments in Aqueous Media. Journal of the American Chemical Society, 2006, 128, 11385-11390.	13.7	487
86	Aromaticity in Tropone-Containing Polythiophene. Macromolecules, 2006, 39, 5598-5600.	4.8	19
87	Highly Conductive Poly(phenylene thienylene)s:Âm-Phenylene Linkages Are Not Always Bad. Macromolecules, 2005, 38, 4569-4576.	4.8	31
88	Novel Radical Alkylation of Carboxylic Imides. Journal of the American Chemical Society, 2002, 124, 14306-14307.	13.7	34