

# Hong Yang

## List of Publications by Year in descending order

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57  
papers

1,603  
citations

304368

22  
h-index

315357

38  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2067  
citing authors

#	ARTICLE	IF	CITATIONS
1	A plant tendril mimic soft actuator with phototunable bending and chiral twisting motion modes. <i>Nature Communications</i> , 2016, 7, 13981.	5.8	206
2	Spatial distribution and transport characteristics of heavy metals around an antimony mine area in central China. <i>Chemosphere</i> , 2017, 170, 17-24.	4.2	127
3	Effects of salts on the gelatinization and retrogradation properties of maize starch and waxy maize starch. <i>Food Chemistry</i> , 2017, 214, 319-327.	4.2	92
4	The bioenergetics mechanisms and applications of sulfate-reducing bacteria in remediation of pollutants in drainage: A review. <i>Ecotoxicology and Environmental Safety</i> , 2018, 158, 162-170.	2.9	82
5	Near-infrared-responsive gold nanorod/liquid crystalline elastomer composites prepared by sequential thiol-click chemistry. <i>Chemical Communications</i> , 2015, 51, 12126-12129.	2.2	77
6	A calamitic mesogenic near-infrared absorbing croconaine dye/liquid crystalline elastomer composite. <i>Chemical Science</i> , 2016, 7, 4400-4406.	3.7	61
7	Effects of charge-carrying amino acids on the gelatinization and retrogradation properties of potato starch. <i>Food Chemistry</i> , 2015, 167, 180-184.	4.2	54
8	Effects of salts on physicochemical, microstructural and thermal properties of potato starch. <i>Food Chemistry</i> , 2014, 156, 137-143.	4.2	53
9	A room-temperature two-stage thiol-ene photoaddition approach towards monodomain liquid crystalline elastomers. <i>Polymer Chemistry</i> , 2017, 8, 1364-1370.	1.9	43
10	Micro-emulsification/encapsulation of krill oil by complex coacervation with krill protein isolated using isoelectric solubilization/precipitation. <i>Food Chemistry</i> , 2018, 244, 284-291.	4.2	43
11	Homeotropically-aligned main-chain and side-on liquid crystalline elastomer films with high anisotropic thermal conductivities. <i>Chemical Communications</i> , 2016, 52, 4313-4316.	2.2	41
12	Effects of amino acids on the physicochemical properties of potato starch. <i>Food Chemistry</i> , 2014, 151, 162-167.	4.2	39
13	<i>Deinococcus reticulitermitis</i> sp. nov., isolated from a termite gut. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 78-83.	0.8	36
14	Thermo-sensitive electrospun fibers prepared by a sequential thiol-ene click chemistry approach. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4182-4190.	2.5	36
15	Exfoliation and Sensitization of 2D Carbon Nitride for Photoelectrochemical Biosensing under Red Light. <i>Chemistry - A European Journal</i> , 2019, 25, 15680-15686.	1.7	36
16	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202112453.	7.2	35
17	Cell Membrane Injury Induced by Silica Nanoparticles in Mouse Macrophage. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 528-535.	0.5	33
18	Single-layer dual-phase nematic elastomer films with bending, accordion-folding, curling and buckling motions. <i>Chemical Communications</i> , 2017, 53, 1844-1847.	2.2	30

#	ARTICLE	IF	CITATIONS
19	Photo-responsive polysiloxane-based azobenzene liquid crystalline polymers prepared by thiol-ene click chemistry. <i>Liquid Crystals</i> , 2016, 43, 1626-1635.	0.9	28
20	Hydrogen-bonding induced melamine-core supramolecular discotic liquid crystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9165-9173.	2.7	24
21	Effects of Soybean Oil, Moisture and Setting on the Textural and Color Properties of Surimi Gels. <i>Journal of Food Quality</i> , 2015, 38, 53-59.	1.4	23
22	Pulmonary Toxicity in Rats Caused by Exposure to Intratracheal Instillation of SiO <sub>2</sub> Nanoparticles. <i>Biomedical and Environmental Sciences</i> , 2017, 30, 264-279.	0.2	23
23	Clinical Features, Morbidity, and Risk Factors of Intestinal Pseudo-obstruction in Systemic Lupus Erythematosus: A Retrospective Case-control Study. <i>Journal of Rheumatology</i> , 2016, 43, 559-564.	1.0	22
24	Effects of salts on the freeze-thaw stability, gel strength and rheological properties of potato starch. <i>Journal of Food Science and Technology</i> , 2016, 53, 3624-3631.	1.4	21
25	Textural and rheological properties of potato starch as affected by amino acids. <i>International Journal of Food Properties</i> , 2017, 20, S3123-S3134.	1.3	19
26	Regulatory role of miR-18a to CCN2 by TGF- $\beta$ 1 signaling pathway in pulmonary injury induced by nano-SiO <sub>2</sub> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 867-876.	2.7	19
27	Identification of Polycentric Cities in China Based on NPP-VIIRS Nighttime Light Data. <i>Remote Sensing</i> , 2020, 12, 3248.	1.8	19
28	Side chain liquid crystalline polymers with an optically active polynorbornene backbone and achiral mesogenic side groups. <i>Polymer Chemistry</i> , 2015, 6, 5281-5287.	1.9	18
29	Seismic behavior of reinforced concrete squat walls with high strength reinforcements: An experimental study. <i>Structural Concrete</i> , 2019, 20, 911-931.	1.5	18
30	Altered microRNA expression profiles in lung damage induced by nanosized SiO <sub>2</sub> . <i>Bioengineered</i> , 2017, 8, 45-54.	1.4	16
31	Effect of salts on textural, color, and rheological properties of potato starch gels. <i>Starch/Staerke</i> , 2014, 66, 149-156.	1.1	15
32	Water Molecule-Triggered Anisotropic Deformation of Carbon Nitride Nanoribbons Enabling Contactless Respiratory Inspection. <i>CCS Chemistry</i> , 2021, 3, 1615-1625.	4.6	15
33	In Vitro Study of Silica Nanoparticle-Induced Cytotoxicity Based on Real-Time Cell Electronic Sensing System. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 561-568.	0.9	14
34	Effects of the Acid- and Alkali-Aided Processes on Bighead Carp ( <i>Aristichthys nobilis</i> ) Muscle Proteins. <i>International Journal of Food Properties</i> , 2016, 19, 1863-1873.	1.3	14
35	An android malware dynamic detection method based on service call co-occurrence matrices. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017, 72, 607-615.	1.6	14
36	Analysis of an Ancient Architectural Painting from the Jiangxue Palace in the Imperial Museum, Beijing, China. <i>Analytical Letters</i> , 2021, 54, 684-697.	1.0	14

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37	Polysiloxane side-chain liquid crystalline polymers prepared by alkyne hydrosilylation. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1431-1441.	2.0	12
38	An entropy-driven ring-opening metathesis polymerization approach towards main-chain liquid crystalline polymers. Polymer Chemistry, 2016, 7, 5265-5272.	1.9	12
39	Effects of Acid and Alkali Treatment on the Properties of Proteins Recovered from Whole Guttred Grass Carp ( <i>Ctenopharyngodon idellus</i> ) Using Isoelectric Solubilization/Precipitation. Journal of Food Quality, 2016, 39, 707-713.	1.4	11
40	Generation of liquid crystallinity from a T <sub>d</sub> -symmetry central unit. Soft Matter, 2016, 12, 6148-6156.	1.2	11
41	Improved Nonlinear Cyclic Stress-Strain Model for Reinforcing Bars Including Buckling Effect and Experimental Verification. International Journal of Structural Stability and Dynamics, 2016, 16, 1640005.	1.5	11
42	Effects of rice residue on physicochemical properties of silver carp surimi gels. International Journal of Food Properties, 2018, 21, 1743-1754.	1.3	11
43	A room-temperature heptazine core discotic liquid crystal. Liquid Crystals, 2017, 44, 2175-2183.	0.9	9
44	A novel, effective, and feasible method for deacidifying kiwifruit wine by weakly basic ion exchange resins. Journal of Food Process Engineering, 2019, 42, e12969.	1.5	9
45	Modulating hypoxia inducible factor-1 by nanomaterials for effective cancer therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1766.	3.3	9
46	Poly(vinyl benzoate)-backbone mesogen-jacketed liquid crystalline polymers. Polymer Chemistry, 2015, 6, 6709-6719.	1.9	6
47	Comparison of Conventional Washing Processing and pH Shift Processing on Gelation Characteristics of Bighead Carp ( <i>Aristichthys nobilis</i> ) Muscle Proteins. Journal of Aquatic Food Product Technology, 2017, 26, 103-114.	0.6	6
48	P-Doped CdS integrated with multiphasic MoSe <sub>2</sub> nanosheets accomplish prominent photocatalytic activity for hydrogen evolution. Catalysis Science and Technology, 2021, 11, 5849-5858.	2.1	6
49	Novel crosslinked lyotropic liquid crystal materials based on acrylate-type gemini ammonium surfactant. Liquid Crystals, 2015, 42, 520-529.	0.9	5
50	Amphiphilic Diblock Copolymers Bearing a Cysteine Junction Group: Synthesis, Encapsulation of Inorganic Nanoparticles, and Near-Infrared Photoresponsive Properties. Chemistry - A European Journal, 2016, 22, 18197-18207.	1.7	5
51	An Android Malicious Code Detection Method Based on Improved DCA Algorithm. Entropy, 2017, 19, 65.	1.1	3
52	Association between the HOTAIR Polymorphism and Susceptibility to Lead Poisoning in a Chinese Population. Biomedical and Environmental Sciences, 2018, 31, 473-478.	0.2	3
53	3D environmental mapping of mobile robot using a low-cost depth camera. , 2013, , .		2
54	Activated Platelet-Homing Nanoplatform for Targeting Magnetic Resonance Imaging of Aneurysm-Related Thrombus in Rabbits. ACS Applied Materials & Interfaces, 2021, 13, 50705-50715.	4.0	2

#	ARTICLE	IF	CITATIONS
55	Potential hazardous effects of printing room PM2.5 exposure include promotion of lung inflammation and subsequent injury. Molecular Medicine Reports, 2020, 22, 3213-3224.	1.1	2
56	Novel SJ-Mosfet With Disconnected P-Pillars For High Robustness. , 2020, , .		1
57	Two Factors Influencing Rice Straw Biogas Fermentation in High Concentrations Condition. , 2011, , .		0