

# Yuanyang Li

## List of Publications by Year in descending order

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56  
papers

1,489  
citations

361296

20  
h-index

330025

37  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Barton-Zard Reaction To Access 3-Pyrrole-Containing Axially Chiral Skeletons. <i>ACS Catalysis</i> , 2019, 9, 4374-4381.	5.5	131
2	Sol-Gel Preparation of Hydrophobic Silica Antireflective Coatings with Low Refractive Index by Base/Acid Two-Step Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11470-11475.	4.0	129
3	Sol-gel preparation of SiO <sub>2</sub> /TiO <sub>2</sub> /SiO <sub>2</sub> -TiO <sub>2</sub> broadband antireflective coating for solar cell cover glass. <i>Solar Energy Materials and Solar Cells</i> , 2013, 111, 160-164.	3.0	123
4	Template-Free Sol-Gel Preparation of Superhydrophobic ORMOSIL Films for Double-Wavelength Broadband Antireflective Coatings. <i>Advanced Functional Materials</i> , 2013, 23, 4361-4365.	7.8	115
5	One-step sol-gel preparation of PDMS-silica ORMOSILs as environment-resistant and crack-free thick antireflective coatings. <i>Journal of Materials Chemistry</i> , 2012, 22, 13132.	6.7	94
6	Preparation of antireflective coatings with high transmittance and enhanced abrasion-resistance by a base/acid two-step catalyzed sol-gel process. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 2347-2351.	3.0	78
7	A Palladium Complex as an Asymmetric $\pi$ -Lewis Base Catalyst for Activating 1,3-Dienes. <i>Journal of the American Chemical Society</i> , 2021, 143, 4809-4816.	6.6	56
8	A one-pot sol-gel process to prepare a superhydrophobic and environment-resistant thin film from ORMOSIL nanoparticles. <i>RSC Advances</i> , 2014, 4, 9838.	1.7	41
9	A convenient sol-gel approach to the preparation of nano-porous silica coatings with very low refractive indices. <i>Chemical Communications</i> , 2014, 50, 13813-13816.	2.2	41
10	Three-layer tri-wavelength broadband antireflective coatings built from refractive indices controlled silica thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 1-9.	1.1	41
11	Mechanically stable single-layer mesoporous silica antireflective coating on solar glass. <i>RSC Advances</i> , 2014, 4, 35818-35822.	1.7	36
12	Modified cinchona alkaloid-catalysed enantioselective [4+4] annulations of cyclobutenones and 1-azadienes. <i>Chemical Communications</i> , 2020, 56, 7257-7260.	2.2	34
13	Insight into the Organic-Inorganic Hybrid and Microstructure Tailor Mechanism of Sol-Gel ORMOSIL Antireflective Coatings. <i>Journal of Physical Chemistry C</i> , 2018, 122, 596-603.	1.5	31
14	Sequential Assembly of Morita-Baylis-Hillman Carbonates and Activated <i>ortho</i> -Vinylbenzaldehydes To Construct Chiral Methanobenzo[7]annulenone Frameworks. <i>Organic Letters</i> , 2019, 21, 3310-3313.	2.4	31
15	A simple route to prepare crack-free thick antireflective silica coatings with improved antireflective stability. <i>Materials Letters</i> , 2012, 69, 86-88.	1.3	29
16	Preparation of silica coatings with continuously adjustable refractive indices and wettability properties via sol-gel method. <i>RSC Advances</i> , 2018, 8, 6091-6098.	1.7	28
17	Preparation and characterization of polyvinyl butyral/silica hybrid antireflective coating: effect of PVB on moisture-resistance and hydrophobicity. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 53, 79-84.	1.1	26
18	Selective oxidation and determination of the substitution pattern of hydroxypropyl guar gum. <i>Carbohydrate Polymers</i> , 2010, 80, 1178-1182.	5.1	25

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19	Sol-gel preparation of double-layer tri-wavelength antireflective coating. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 276-281.	1.1	24
20	Novel Hybrid p- and n-Type Organic Thermoelectric Materials Based on Mussel-Inspired Polydopamine. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23970-23982.	4.0	23
21	Sol-gel preparation of antireflective coatings at 351Ånm with different thickness and improved moisture-resistance. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 340-344.	1.1	20
22	Preparation of mechanically stable triple-layer interference broadband antireflective coatings with self-cleaning property by sol-gel technique. <i>RSC Advances</i> , 2017, 7, 14660-14668.	1.7	19
23	A Novel pH- and Salt-Responsive N-Succinyl-Chitosan Hydrogel via a One-Step Hydrothermal Process. <i>Molecules</i> , 2019, 24, 4211.	1.7	19
24	Spherical-chain silica with super-hydrophobic surface and ultra-low refractive index for multi-functional broadband antireflective coatings. <i>Solar Energy</i> , 2020, 207, 1222-1230.	2.9	19
25	Non-supercritical drying sol-gel preparation of superhydrophobic aerogel ORMOSIL thin films with controlled refractive index. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 594-602.	1.1	18
26	Double-layer tri-wavelength hydrophobic antireflective coatings derived from methylated silica nanoparticles and hybrid silica nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 285-292.	1.1	17
27	Preparation of sponge-like porous SiO <sub>2</sub> antireflective coatings with excellent environment-resistance by an acid-catalysed sol-gel method. <i>RSC Advances</i> , 2017, 7, 26834-26838.	1.7	16
28	Rational design of hierarchical macroporous-mesoporous magnesium silicate for highly efficient removal of organic dye and Pb <sup>2+</sup> . <i>RSC Advances</i> , 2017, 7, 47225-47234.	1.7	16
29	Sol-gel silica antireflective coating with enhanced abrasion-resistance using polypropylene glycol as porogen. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 291-296.	1.1	15
30	Sol-gel preparation of fluoro-containing ORMOSIL antireflective coating with resistance simultaneously to hydrophilic and oleophilic pollutants. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 698-706.	1.1	14
31	Study on TEMPO-Mediated Oxidation of N-Succinyl Chitosan and the Water Retention Property. <i>Molecules</i> , 2020, 25, 4698.	1.7	14
32	Surface Modification of Sol-Gel Silica Antireflective Coatings by F-PMHS: A Simple Method for Improvement of Amphiphobicity. <i>Coatings</i> , 2018, 8, 57.	1.2	13
33	Environment-resistant fluoro-containing antireflective coatings for high-powered laser systems. <i>RSC Advances</i> , 2014, 4, 48872-48875.	1.7	12
34	A simple method to control the microstructure and properties of sol-gel silica antireflective coatings. <i>RSC Advances</i> , 2017, 7, 31950-31959.	1.7	12
35	Synthesis and rheological behavior of a novel N-sulfonate ampholyte chitosan. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3382-3387.	1.3	11
36	Preparation of porous silica films in a binary template system for double-layer broadband antireflective coatings. <i>RSC Advances</i> , 2015, 5, 20365-20370.	1.7	11

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37	A molecular simulation of the compatibility of chitosan and poly(vinyl pyrrolidone). <i>Molecular Simulation</i> , 2010, 36, 186-191.	0.9	10
38	Photoinduced deformation of hollow nanospheres formed by the self-assembly of amphiphilic random copolymers and small azo molecules. <i>RSC Advances</i> , 2014, 4, 45890-45894.	1.7	9
39	Thermal-induced durable superhydrophilicity of TiO <sub>2</sub> films with ultra-smooth surfaces. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 50-58.	1.1	9
40	Remote Friedel-Crafts Reaction with $\beta$ -Heteroaryl-Substituted Cyclic Ketones via HOMO Activation of Lewis Bases. <i>Organic Letters</i> , 2019, 21, 7554-7557.	2.4	8
41	The Influence of Water Content on the Growth of the Hybrid-Silica Particles by Sol-Gel Method. <i>Silicon</i> , 2021, 13, 3413-3421.	1.8	8
42	Phosphine Catalyzed Enantioselective Cascade Reaction Initiated by Intermolecular Cross Rauhut-Carrier Reaction of Electron-Deficient ortho-Formyl Styrenes. <i>ChemCatChem</i> , 2020, 12, 5374-5377.	1.8	8
43	Determination of the degree of substitution of hydroxypropyl guar gum at C-6 by Pyrolysis-Gas Chromatography spectrometry. <i>Carbohydrate Polymers</i> , 2010, 82, 829-832.	5.1	7
44	Optimization of thermoelectric figure of merit in poly(p-phenylenediamine)/exfoliated graphene nanosheets composites. <i>RSC Advances</i> , 2014, 4, 51558-51568.	1.7	7
45	Focus on moisture-resistance and hydrophobicity of SiO <sub>2</sub> antireflective film improved by poly(isopropylene oxide) glycerolether. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 11-16.	1.1	6
46	Study on Synergistic Effect Between Wormlike Micelles and Hydrophobically Modified Poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	6
47	Design and sol-gel preparation of a six-layer tri-wavelength ORMOSIL antireflective coating for a high power laser system. <i>RSC Advances</i> , 2016, 6, 31769-31774.	1.7	6
48	Preparation of amphoteric N,O-carboxymethyl hydroxypropyl chitosan by a two-step reaction. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	5
49	Well-Dispersed Nanoscale Zero-Valent Iron Supported in Macroporous Silica Foams: Synthesis, Characterization, and Performance in Cr(VI) Removal. <i>Journal of Materials</i> , 2017, 2017, 1-13.	0.1	5
50	Synthesis and characterization of high molecular weight and low dispersity polystyrene homopolymers by RAFT polymerization. <i>E-Polymers</i> , 2012, 12, .	1.3	3
51	Sol-gel preparation of ultralow refractive index silica coatings with hydroxypropyl- $\beta$ -cyclodextrin as porogen. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	3
52	Effects of carbon nanomaterials hybridization of Poly(3,4-ethylenedioxythiophene): poly (styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	3
53	Study on the Hydrophobic Modification of MTES/NH <sub>3</sub> Vapor Surface Treatment for SiO <sub>2</sub> Broadband Anti-Reflection Coating. <i>Materials</i> , 2022, 15, 912.	1.3	2
54	Data on flexibility and thermal stability of Polypyrrole-based ternary nanocomposite films. <i>Data in Brief</i> , 2021, 34, 106754.	0.5	1

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55	Molecular Simulation Study on Electronic Property and Thermal Conductivity of Graphyne/Polypyrrole Composite. <i>Macromolecular Theory and Simulations</i> , 2022, 31, .	0.6	1
56	Double-Layer Broadband Antireflective Coatings with Constant High Transmittance. <i>Coatings</i> , 2022, 12, 435.	1.2	0