

Ling He

List of Publications by Year in descending order

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63
papers

2,330
citations

331670

21
h-index

214800

47
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63
all docs

63
docs citations

63
times ranked

3425
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into the Ligand-Mediated Synthesis of Colloidal CsPbBr ₃ Perovskite Nanocrystals: The Role of Organic Acid, Base, and Cesium Precursors. ACS Nano, 2016, 10, 7943-7954.	14.6	713
2	CsPbBr ₃ Perovskite Nanocrystal Grown on MXene Nanosheets for Enhanced Photoelectric Detection and Photocatalytic CO ₂ Reduction. Journal of Physical Chemistry Letters, 2019, 10, 6590-6597.	4.6	275
3	Nanorod Suprastructures from a Ternary Graphene Oxide-Polymer-CsPbX ₃ Perovskite Nanocrystal Composite That Display High Environmental Stability. Nano Letters, 2017, 17, 6759-6765.	9.1	118
4	General Strategy for the Preparation of Stable Luminous Nanocomposite Inks Using Chemically Addressable CsPbX ₃ Perovskite Nanocrystals. Chemistry of Materials, 2018, 30, 2771-2780.	6.7	111
5	White-Light-Emitting Melamine-Formaldehyde Microspheres through Polymer-Mediated Aggregation and Encapsulation of Graphene Quantum Dots. Advanced Science, 2019, 6, 1801432.	11.2	71
6	Preparation and comparative evaluation of well-defined fluorinated acrylic copolymer latex and solution for ancient stone protection. Progress in Organic Coatings, 2010, 69, 352-358.	3.9	56
7	Unusual Stability and Temperature-Dependent Properties of Highly Emissive CsPbBr ₃ Perovskite Nanocrystals Obtained from in Situ Crystallization in Poly(vinylidene difluoride). ACS Applied Materials & Interfaces, 2019, 11, 22786-22793.	8.0	55
8	Rare Earth-Free Luminescent Materials for WLEDs: Recent Progress and Perspectives. Advanced Materials Technologies, 2021, 6, .	5.8	53
9	Stable luminous nanocomposites of CsPbX ₃ perovskite nanocrystals anchored on silica for multicolor anti-counterfeit ink and white-LEDs. Materials Chemistry Frontiers, 2019, 3, 414-419.	5.9	48
10	Novel linear fluoro-silicon-containing pentablock copolymers: synthesis and their properties as coating materials. Journal of Materials Chemistry, 2011, 21, 6934.	6.7	46
11	Corrosion behavior and morphological features of archeological bronze coins from ancient China. Microchemical Journal, 2011, 99, 203-212.	4.5	42
12	Surface self-segregation, wettability, and adsorption behavior of core-shell and pentablock fluorosilicone acrylate copolymers. Journal of Colloid and Interface Science, 2012, 369, 435-441.	9.4	41
13	Templated self-assembly of one-dimensional CsPbX ₃ perovskite nanocrystal superlattices. Nanoscale, 2017, 9, 17688-17693.	5.6	39
14	Non-IPR endohedral fullerene Yb@C76: density functional theory characterization. Journal of Materials Chemistry, 2011, 21, 12206.	6.7	37
15	Comparative analysis of eastern and western drying-oil binding media used in polychromic artworks by pyrolysis-gas chromatography/mass spectrometry under the influence of pigments. Microchemical Journal, 2015, 123, 201-210.	4.5	36
16	Stable Luminous Nanocomposites of Confined Mn ²⁺ -Doped Lead Halide Perovskite Nanocrystals in Mesoporous Silica Nanospheres as Orange Fluorophores. Inorganic Chemistry, 2019, 58, 3950-3958.	4.0	34
17	Complementary analytical methods in identifying gilding and painting techniques of ancient clay-based polychromic sculptures. Microchemical Journal, 2014, 114, 125-140.	4.5	31
18	Synthesis, characterization and resistant performance of Î±-Fe ₂ O ₃ @SiO ₂ composite as pigment protective coatings. Surface and Coatings Technology, 2016, 300, 42-49.	4.8	28

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19	Star-shaped POSS diblock copolymers and their self-assembled films. RSC Advances, 2014, 4, 27857-27866.	3.6	26
20	Synthesis and properties of silane-fluoroacrylate grafted starch. Carbohydrate Polymers, 2013, 98, 1056-1064.	10.2	25
21	Polychromic structures and pigments in Guangyuan Thousand-Buddha Grotto of the Tang Dynasty (China). Journal of Archaeological Science, 2012, 39, 1809-1820.	2.4	24
22	Fabrication, microstructure and corrosive behavior of different metallographic tin-leaded bronze alloys part II: Chemical corrosive behavior and patina of tin-leaded bronze alloys. Materials Chemistry and Physics, 2016, 169, 158-172.	4.0	24
23	Diblock fluoroacrylate copolymers from two initiators: synthesis, self-assembly and surface properties. Journal of Materials Chemistry, 2012, 22, 23078.	6.7	21
24	Cage and linear structured polysiloxane/epoxy hybrids for coatings: Surface property and film permeability. Journal of Colloid and Interface Science, 2017, 500, 349-357.	9.4	21
25	Superhydrophobic and oleophobic surface from fluoropolymer@SiO ₂ hybrid nanocomposites. Journal of Colloid and Interface Science, 2014, 435, 75-82.	9.4	20
26	Superhydrophobic luminous nanocomposites from CsPbX ₃ perovskite nanocrystals encapsulated in organosilica. Applied Surface Science, 2020, 515, 146004.	6.1	18
27	Well-defined inorganic/organic nanocomposite by nano silica core-poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td Science, 2013, 396, 129-137.	9.4	15
28	POSS-tethered fluorinated diblock copolymers with linear- and star-shaped topologies: synthesis, self-assembled films and hydrophobic applications. RSC Advances, 2015, 5, 55048-55058.	3.6	15
29	POSS-pendant in epoxy chain inorganic-organic hybrid for highly thermo-mechanical, permeable and hydrothermal-resistant coatings. Materials Chemistry and Physics, 2017, 201, 120-129.	4.0	15
30	An insight into the amphiphobicity and thermal degradation behavior of PDMS-based block copolymers bearing POSS and fluorinated units. Soft Matter, 2018, 14, 5235-5245.	2.7	15
31	Highly Stable Luminous "Snakes" from CsPbX ₃ Perovskite Nanocrystals Anchored on Amine-Coated Silica Nanowires. ACS Applied Nano Materials, 2019, 2, 258-266.	5.0	14
32	Hydrophobic and Durable Adhesive Coatings Fabricated from Fluorinated Glycidyl Copolymers Grafted on SiO ₂ Nanoparticles. ACS Applied Nano Materials, 2019, 2, 617-626.	5.0	14
33	Effect of side chains and solvents on the film surface of linear fluorosilicone pentablock copolymers. Progress in Organic Coatings, 2014, 77, 1603-1612.	3.9	13
34	Poly(glycidyl methacrylate-POSS)-co-poly(methyl methacrylate) latex by epoxide opening reaction and emulsion polymerization. Journal of Materials Science, 2015, 50, 2158-2166.	3.7	13
35	SiO ₂ -g-PS/fluoroalkylsilane composites for superhydrophobic and highly oleophobic coatings. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 507, 26-35.	4.7	13
36	Degradation of red lead pigment in the oil painting during UV aging. Color Research and Application, 2019, 44, 790-797.	1.6	13

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37	Fabrication pentablock copolymer/silica hybrids as self-assembly coatings. <i>Journal of Colloid and Interface Science</i> , 2014, 414, 1-8.	9.4	12
38	Silica-diblock fluoropolymer hybrids synthesized by surface-initiated atom transfer radical polymerization. <i>RSC Advances</i> , 2014, 4, 13108.	3.6	12
39	Organic/inorganic hybrids by linear PDMS and caged MA-POSS for coating. <i>Materials Chemistry and Physics</i> , 2015, 153, 396-404.	4.0	12
40	Hydrophobic and hydrophilic SiO ₂ -based hybrids in the protection of sandstone for anti-salt damage. <i>Journal of Cultural Heritage</i> , 2019, 40, 80-91.	3.3	12
41	Characterization of Chinese Lacquer in Historical Artwork by On-Line Methylation Pyrolysis-Gas Chromatography/Mass Spectrometry. <i>Analytical Letters</i> , 2014, 47, 2488-2507.	1.8	11
42	Dispersant effect on coatings of POSS-based poly methylmethacrylate hybrids and their protective performance to sandstones. <i>Progress in Organic Coatings</i> , 2019, 132, 388-398.	3.9	11
43	Synthesis and comparison of two poly (methyl methacrylate-b-3-(trimethoxysilyl)propyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5 433, 133-140.	9.4	10
44	La ²⁺ bonded dimetallofullerenes [La ₂ @C _{2n}] ²⁺ : species for stabilizing C _{2n} (2n = 92-96) besides La ₂ C ₂ @C _{2n} . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14671-14678.	2.8	10
45	Removable/fluorescent adhesive made by melamine-formaldehyde cross-linked polyvinyl alcohol and its repair application in artifacts. <i>Applied Surface Science</i> , 2019, 495, 143570.	6.1	10
46	Bidentate Ligand-Induced Oriented Transformation of CsPbBr ₃ Perovskite Nanocrystals into Nanowires for X-ray Photodetectors. <i>ACS Applied Nano Materials</i> , 2022, 5, 13737-13744.	5.0	10
47	Unique Configuration of a Nitrogen-Doped Graphene Nanoribbon: Potential Applications to Semiconductor and Hydrogen Fuel Cell. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24723-24729.	3.1	8
48	POSS-based Diblock Fluoropolymer for Self-assembled Hydrophobic Coatings. <i>Materials Today: Proceedings</i> , 2016, 3, 325-334.	1.8	8
49	Formation and properties of core-shell pentablock copolymer/silica hybrids. <i>Materials Chemistry and Physics</i> , 2014, 147, 5-10.	4.0	7
50	Amphiphilic silica/fluoropolymer nanoparticles: Synthesis, temperature-responsive and surface properties as protein-resistance coatings. <i>Journal of Polymer Science Part A</i> , 2016, 54, 381-393.	2.3	7
51	POSS-based glycidyl methacrylate copolymer for transparent and permeable coatings. <i>Soft Materials</i> , 2016, 14, 253-263.	1.7	7
52	Strong, Removable, and Photoluminescent Hyperbranched Polyamide-amine Hot Melt Adhesive. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 1319-1327.	3.8	7
53	Identification of the authenticity of pigments in ancient polychromed artworks of China. <i>Analytical Methods</i> , 2017, 9, 814-825.	2.7	6
54	Self-assembled micelle and film surface of fluorine/silicon-containing triblock copolymer. <i>Colloid and Polymer Science</i> , 2015, 293, 2281-2290.	2.1	4

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55	Stabilization of a Chlorinated C_{66} : C_{2v} Cage by Encapsulating Monometal Species: Coordination between Metal and Double Hexagon-Condensed Pentalenes. <i>Inorganic Chemistry</i> , 2016, 55, 7667-7675.	4.0	3
56	Effect of different molecular architected POSS-fluoropolymers on their self-assembled hydrophobic coatings. <i>Colloid and Polymer Science</i> , 2020, 298, 1559-1569.	2.1	3
57	The effect of side chains on the reactive rate and surface wettability of pentablock copolymers by ATRP. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	2
58	Epoxy and Oxidoannulene Oxidation Mechanisms of Fused-Pentagon Chlorofullerenes: Oxides Linked by a Pirouette-Type Transition State. <i>Journal of Organic Chemistry</i> , 2017, 82, 6541-6549.	3.2	2
59	Silica-based hybrids for adhesive coatings and their anti-salt damage in the protection of ancient sandstone. <i>Progress in Organic Coatings</i> , 2021, 151, 106037.	3.9	2
60	Self-assembled colloid and solvent-responsive property of amphiphilic fluoropolymer for protein-resistance coatings. <i>Colloid and Polymer Science</i> , 2017, 295, 827-836.	2.1	1
61	Synthesis and evaluation of fluorosiliconeâ€modified starch for protection of historic stone. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	0
62	Effect of different structured POSS/GMA-containing copolymers on the morphology of porous coating by breath-figures method. <i>Journal of Coatings Technology Research</i> , 2018, 15, 737-742.	2.5	0
63	Fluoroalkyl polyhedral oligomeric silsesquioxane initiated methylmethacrylate polymer to produce hydrophobic coatings by low fluorine content. <i>Soft Materials</i> , 2021, 19, 231-242.	1.7	0