

Fuke Wang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,088
citations

236925

25
h-index

233421

45
g-index

53
all docs

53
docs citations

53
times ranked

2857
citing authors

#	ARTICLE	IF	CITATIONS
1	Some recent developments of polyhedral oligomeric silsesquioxane (POSS)-based polymeric materials. <i>Journal of Materials Chemistry</i> , 2011, 21, 2775-2782.	6.7	237
2	Aggregation-Driven Growth of Size-Tunable Organic Nanoparticles Using Electronically Altered Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2005, 127, 10350-10355.	13.7	167
3	Polyhedral oligomeric silsesquioxanes (POSSs): an important building block for organic optoelectronic materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5283-5298.	5.5	138
4	Stimuli-Responsive Conjugated Copolymers Having Electro-Active Azulene and Bithiophene Units in the Polymer Skeleton: A Effect of Protonation and p-Doping on Conducting Properties. <i>Macromolecules</i> , 2004, 37, 3222-3230.	4.8	116
5	Aggregation-Mediated Optical Properties of pH-Responsive Anionic Conjugated Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2006, 128, 15786-15792.	13.7	109
6	Highly Sensitive and Fast Response Colorimetric Humidity Sensors Based on Graphene Oxides Film. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19882-19886.	8.0	96
7	The First Fully Characterized 1,3-Polyazulene: A High Electrical Conductivity Resulting from Cation Radicals and Polycations Generated upon Protonation. <i>Organic Letters</i> , 2003, 5, 995-998.	4.6	85
8	Lightweight flexible carbon nanotube/polyaniline films with outstanding EMI shielding properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8694-8698.	5.5	75
9	Machine Learning-Driven Biomaterials Evolution. <i>Advanced Materials</i> , 2022, 34, e2102703.	21.0	68
10	Azulene-containing organic chromophores with tunable near-IR absorption in the range of 0.6 to 1.7 μ m. <i>Journal of Materials Chemistry</i> , 2012, 22, 10448.	6.7	61
11	Enhanced Ordering in Gold Nanoparticles Self-Assembly through Excess Free Ligands. <i>Langmuir</i> , 2011, 27, 3355-3360.	3.5	57
12	High-performance thermoelectric materials based on ternary TiO ₂ /CNT/PANI composites. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9411-9418.	2.8	55
13	Progress in the Synthesis of Bifunctionalized Polyhedral Oligomeric Silsesquioxane. <i>Polymers</i> , 2019, 11, 2098.	4.5	49
14	Photopolymer resins for luminescent three-dimensional printing. <i>Journal of Applied Polymer Science</i> , 2017, 134, 44988.	2.6	44
15	Post-Coordination of Multinuclear Transitional Metal Clusters to Azulene-Based Polymers: A Novel Strategy for Tuning Properties in π -Conjugated Polymers. <i>Organic Letters</i> , 2003, 5, 4791-4794.	4.6	43
16	Alternating Aromatic and Transannular Chromophores with and without Linker: A Effect of Transannular π - π Interaction on the Optical Property of Dithiaparacyclophane-based Copolymers. <i>Macromolecules</i> , 2004, 37, 3546-3553.	4.8	43
17	Azulene-based conjugated polymers with tuneable near-IR absorption up to 2.5 μ m. <i>Polymer Chemistry</i> , 2014, 5, 2980-2989.	3.9	43
18	Large Area Directed Self-Assembly of Sub-10 nm Particles with Single Particle Positioning Resolution. <i>Nano Letters</i> , 2015, 15, 6066-6070.	9.1	42

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19	Highly Stable and Rapid Switching Electrochromic Thin Films Based on Metal-Organic Frameworks with Redox-Active Triphenylamine Ligands. ACS Applied Materials & Interfaces, 2020, 12, 7442-7450.	8.0	42
20	Hofmeister Effect Mediated Strong PHEMA-Gelatin Hydrogel Actuator. ACS Applied Materials & Interfaces, 2022, 14, 23826-23838.	8.0	38
21	High-strength boehmite-acrylate composites for 3D printing: Reinforced filler-matrix interactions. Composites Science and Technology, 2018, 154, 104-109.	7.8	36
22	Directed Self-Assembly of Densely Packed Gold Nanoparticles. Langmuir, 2012, 28, 16782-16787.	3.5	30
23	High-Performance Nano-Photoinitiators with Improved Safety for 3D Printing. ACS Applied Materials & Interfaces, 2017, 9, 32418-32423.	8.0	28
24	Near-Infrared Responsive Conjugated Polymers to 1.5 μ m and Beyond: Synthesis and Electrochromic Switching Application. Macromolecular Rapid Communications, 2013, 34, 431-436.	3.9	26
25	Template-Induced Structure Transition in Sub-10 nm Self-Assembling Nanoparticles. Nano Letters, 2014, 14, 2642-2646.	9.1	26
26	Thermally stable azobenzene dyes through hybridization with POSS. New Journal of Chemistry, 2013, 37, 735.	2.8	25
27	Origin of Near-Infrared Absorption for Azulene-Containing Conjugated Polymers upon Protonation or Oxidation. Journal of Physical Chemistry B, 2015, 119, 8176-8183.	2.6	25
28	Pure Blue-Light Emissive Poly(oligofluorenes) with Bifunctional POSS in the Main Chain. Macromolecular Rapid Communications, 2014, 35, 801-806.	3.9	24
29	Self-Assembly and Applications of Amphiphilic Hybrid POSS Copolymers. Molecules, 2018, 23, 2481.	3.8	22
30	Liquid Resins-Based Additive Manufacturing. Journal of Molecular and Engineering Materials, 2017, 05, 1740004.	1.8	20
31	Metal-Organic Framework-Based Flexible Devices with Simultaneous Electrochromic and Electrofluorochromic Functions. ACS Applied Electronic Materials, 2021, 3, 1489-1495.	4.3	20
32	Enhancing the mechanical strength and toughness of epoxy resins with linear POSS nano-modifiers. Nanoscale Advances, 2022, 4, 1151-1157.	4.6	18
33	Configuration-dependent optical properties and acid susceptibility of azulene compounds. Journal of Materials Chemistry C, 2018, 6, 5153-5160.	5.5	17
34	GO film on flexible substrate: An approach to wearable colorimetric humidity sensor. Dyes and Pigments, 2021, 185, 108916.	3.7	17
35	Tailoring the Diameters of Polyaniline Nanofibers for Sensor Application. ACS Omega, 2017, 2, 6506-6513.	3.5	15
36	High-Performance Colorimetric Room-Temperature NO ₂ Sensing Using Spin-Coated Graphene/Polyelectrolyte Reflecting Film. ACS Applied Materials & Interfaces, 2019, 11, 32390-32397.	8.0	13

#	ARTICLE	IF	CITATIONS
37	Biomaterials by design: Harnessing data for future development. <i>Materials Today Bio</i> , 2021, 12, 100165.	5.5	13
38	Development of a highly transparent superamphiphobic plastic sheet by nanoparticle and chemical coating. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 245-252.	9.4	12
39	Nanowire enhanced dimensional accuracy in acrylate resin-based 3D printing. <i>New Journal of Chemistry</i> , 2017, 41, 8407-8412.	2.8	12
40	Star-Shaped Crosslinker for Multifunctional Shape Memory Polyurethane. <i>Polymers</i> , 2020, 12, 740.	4.5	10
41	A new aspect of cyclopentadithiophene based polymers: narrow band gap polymers upon protonation. <i>Chemical Communications</i> , 2015, 51, 13229-13232.	4.1	9
42	Energy transfer along a sequence controlled hybrid polymer. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1225-1233.	2.3	9
43	Transparent low-voltage-driven soft actuators with silver nanowires Joule heaters. <i>Polymer Chemistry</i> , 2021, 12, 5251-5256.	3.9	8
44	Uniform Polyaniline Nanotubes Formation via Frozen Polymerization and Application for Oxygen Reduction Reactions. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 977-984.	2.2	6
45	<i>Ab initio</i> kinetics predictions for the role of pre-reaction complexes in hydrogen abstraction from 2-butanone by OH radicals. <i>RSC Advances</i> , 2020, 10, 33205-33212.	3.6	6
46	Enhanced dispersion of hydroxyapatite whisker in orthopedics 3D printing resin with improved mechanical performance. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50811.	2.6	6
47	Microporosity mediated proliferation of preosteoblast cells on 3D printed bone scaffolds. <i>Nano Select</i> , 2021, 2, 1997.	3.7	6
48	Ultrasmall Designed Plasmon Resonators by Fused Colloidal Nanopatterning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45207-45213.	8.0	2
49	Dielectric and mechanical properties of polycaprolactone/nano-barium titanate piezoelectric composites. <i>Plastics, Rubber and Composites</i> , 2021, 50, 299-306.	2.0	2
50	Modeling of toughening effect in rigid particulate-filled polymer composites by artificial intelligence: a review. <i>Advanced Composite Materials</i> , 2023, 32, 250-267.	1.9	1