

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
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233421
45
g-index

53
all docs

53
docs citations

53
times ranked

2857
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | Machine Learning-Driven Biomaterials Evolution. <i>Advanced Materials</i> , 2022, 34, e2102703. | 21.0 | 68 |
| 3 | Enhancing the mechanical strength and toughness of epoxy resins with linear POSS nano-modifiers. <i>Nanoscale Advances</i> , 2022, 4, 1151-1157. | 4.6 | 18 |
| 4 | Hofmeister Effect Mediated Strong PHEMA-Gelatin Hydrogel Actuator. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23826-23838. | 8.0 | 38 |
| 5 | GO film on flexible substrate: An approach to wearable colorimetric humidity sensor. <i>Dyes and Pigments</i> , 2021, 185, 108916. | 3.7 | 17 |
| 6 | Dielectric and mechanical properties of polycaprolactone/nano-barium titanate piezoelectric composites. <i>Plastics, Rubber and Composites</i> , 2021, 50, 299-306. | 2.0 | 2 |
| 7 | Metal-Organic Framework-Based Flexible Devices with Simultaneous Electrochromic and Electrofluorochromic Functions. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1489-1495. | 4.3 | 20 |
| 8 | 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 |
| 9 | Microporosity mediated proliferation of preosteoblast cells on 3D printed bone scaffolds. <i>Nano Select</i> , 2021, 2, 1997. | 3.7 | 6 |
| 10 | Transparent low-voltage-driven soft actuators with silver nanowires Joule heaters. <i>Polymer Chemistry</i> , 2021, 12, 5251-5256. | 3.9 | 8 |
| 11 | Biomaterials by design: Harnessing data for future development. <i>Materials Today Bio</i> , 2021, 12, 100165. | 5.5 | 13 |
| 12 | Ab initio 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 |
| 13 | Highly Stable and Rapid Switching Electrochromic Thin Films Based on Metal-Organic Frameworks with Redox-Active Triphenylamine Ligands. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7442-7450. | 8.0 | 42 |
| 14 | Star-Shaped Crosslinker for Multifunctional Shape Memory Polyurethane. <i>Polymers</i> , 2020, 12, 740. | 4.5 | 10 |
| 15 | High-Performance Colorimetric Room-Temperature NO ₂ Sensing Using Spin-Coated Graphene/Polyelectrolyte Reflecting Film. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32390-32397. | 8.0 | 13 |
| 16 | Ultrasmall Designed Plasmon Resonators by Fused Colloidal Nanopatterning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45207-45213. | 8.0 | 2 |
| 17 | Progress in the Synthesis of Bifunctionalized Polyhedral Oligomeric Silsesquioxane. <i>Polymers</i> , 2019, 11, 2098. | 4.5 | 49 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Configuration-dependent optical properties and acid susceptibility of azulene compounds. Journal of Materials Chemistry C, 2018, 6, 5153-5160. | 5.5 | 17 |
| 20 | Energy transfer along a sequence controlled hybrid polymer. Journal of Polymer Science Part A, 2018, 56, 1225-1233. | 2.3 | 9 |
| 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 | Self-Assembly and Applications of Amphiphilic Hybrid POSS Copolymers. Molecules, 2018, 23, 2481. | 3.8 | 22 |
| 23 | Polyhedral oligomeric silsesquioxanes (POSSs): an important building block for organic optoelectronic materials. Journal of Materials Chemistry C, 2017, 5, 5283-5298. | 5.5 | 138 |
| 24 | Photopolymer resins for luminescent three-dimensional printing. Journal of Applied Polymer Science, 2017, 134, 44988. | 2.6 | 44 |
| 25 | Liquid Resins-Based Additive Manufacturing. Journal of Molecular and Engineering Materials, 2017, 05, 1740004. | 1.8 | 20 |
| 26 | Tailoring the Diameters of Polyaniline Nanofibers for Sensor Application. ACS Omega, 2017, 2, 6506-6513. | 3.5 | 15 |
| 27 | High-Performance Nano-Photoinitiators with Improved Safety for 3D Printing. ACS Applied Materials & Interfaces, 2017, 9, 32418-32423. | 8.0 | 28 |
| 28 | Lightweight flexible carbon nanotube/polyaniline films with outstanding EMI shielding properties. Journal of Materials Chemistry C, 2017, 5, 8694-8698. | 5.5 | 75 |
| 29 | Nanowire enhanced dimensional accuracy in acrylate resin-based 3D printing. New Journal of Chemistry, 2017, 41, 8407-8412. | 2.8 | 12 |
| 30 | Development of a highly transparent superamphiphobic plastic sheet by nanoparticle and chemical coating. Journal of Colloid and Interface Science, 2016, 467, 245-252. | 9.4 | 12 |
| 31 | Uniform Polyaniline Nanotubes Formation via Frozen Polymerization and Application for Oxygen Reduction Reactions. Macromolecular Chemistry and Physics, 2015, 216, 977-984. | 2.2 | 6 |
| 32 | Large Area Directed Self-Assembly of Sub-10 nm Particles with Single Particle Positioning Resolution. Nano Letters, 2015, 15, 6066-6070. | 9.1 | 42 |
| 33 | A new aspect of cyclopentadithiophene based polymers: narrow band gap polymers upon protonation. Chemical Communications, 2015, 51, 13229-13232. | 4.1 | 9 |
| 34 | 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 |
| 35 | Highly Sensitive and Fast Response Colorimetric Humidity Sensors Based on Graphene Oxides Film. ACS Applied Materials & Interfaces, 2015, 7, 19882-19886. | 8.0 | 96 |
| 36 | Azulene-based conjugated polymers with tuneable near-IR absorption up to 2.5 μ m. Polymer Chemistry, 2014, 5, 2980-2989. | 3.9 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Pure Blueâ€Light Emissive Poly(oligofluorenes) with Bifunctional POSS in the Main Chain. Macromolecular Rapid Communications, 2014, 35, 801-806. | 3.9 | 24 |
| 38 | Template-Induced Structure Transition in Sub-10 nm Self-Assembling Nanoparticles. Nano Letters, 2014, 14, 2642-2646. | 9.1 | 26 |
| 39 | Thermally stable azobenzene dyes through hybridization with POSS. New Journal of Chemistry, 2013, 37, 735. | 2.8 | 25 |
| 40 | Nearâ€Infrared Responsive Conjugated Polymers to 1.5 Î¼m and Beyond: Synthesis and Electrochromic Switching Application. Macromolecular Rapid Communications, 2013, 34, 431-436. | 3.9 | 26 |
| 41 | Directed Self-Assembly of Densely Packed Gold Nanoparticles. Langmuir, 2012, 28, 16782-16787. | 3.5 | 30 |
| 42 | Azulene-containing organic chromophores with tunable near-IR absorption in the range of 0.6 to 1.7 Î¼m. Journal of Materials Chemistry, 2012, 22, 10448. | 6.7 | 61 |
| 43 | Enhanced Ordering in Gold Nanoparticles Self-Assembly through Excess Free Ligands. Langmuir, 2011, 27, 3355-3360. | 3.5 | 57 |
| 44 | Some recent developments of polyhedral oligomeric silsesquioxane (POSS)-based polymeric materials. Journal of Materials Chemistry, 2011, 21, 2775-2782. | 6.7 | 237 |
| 45 | Aggregation-Mediated Optical Properties of pH-Responsive Anionic Conjugated Polyelectrolytes. Journal of the American Chemical Society, 2006, 128, 15786-15792. | 13.7 | 109 |
| 46 | Aggregation-Driven Growth of Size-Tunable Organic Nanoparticles Using Electronically Altered Conjugated Polymers. Journal of the American Chemical Society, 2005, 127, 10350-10355. | 13.7 | 167 |
| 47 | Stimuli-Responsive Conjugated Copolymers Having Electro-Active Azulene and Bithiophene Units in the Polymer Skeleton:Â Effect of Protonation and p-Doping on Conducting Properties. Macromolecules, 2004, 37, 3222-3230. | 4.8 | 116 |
| 48 | Alternating Aromatic and Transannular Chromophores with and without Linker:Â Effect of Transannular Î€â”Î€ Interaction on the Optical Property of Dithiaparacyclophane-based Copolymers. Macromolecules, 2004, 37, 3546-3553. | 4.8 | 43 |
| 49 | Post-Coordination of Multinuclear Transitional Metal Clusters to Azulene-Based Polymers:â€ A Novel Strategy for Tuning Properties in Î€-Conjugated Polymers. Organic Letters, 2003, 5, 4791-4794. | 4.6 | 43 |
| 50 | The First Fully Characterized 1,3-Polyazulene:â€ High Electrical Conductivity Resulting from Cation Radicals and Polycations Generated upon Protonation. Organic Letters, 2003, 5, 995-998. | 4.6 | 85 |