# Jinlong Song

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4200511/publications.pdf

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| 85 | 5,286 | 117625 | 82547 |
|---|---|---|---|
| papers | citations | 34 h-index | 72 g-index |

| 87 | 87 | 87 | 4701 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Robust self-cleaning surfaces that function when exposed to either air or oil. Science, 2015, 347, 1132-1135. | 12.6 | 1,494 |
| 2 | Rapid Fabrication of Large-Area, Corrosion-Resistant Superhydrophobic Mg Alloy Surfaces. ACS Applied Materials & Interfaces, 2011, 3, 4404-4414. | 8.0 | 343 |
| 3 | Self-Driven One-Step Oil Removal from Oil Spill on Water via Selective-Wettability Steel Mesh. ACS Applied Materials & Interfaces, 2014, 6, 19858-19865. | 8.0 | 226 |
| 4 | Super-robust superhydrophobic concrete. Journal of Materials Chemistry A, 2017, 5, 14542-14550. | 10.3 | 170 |
| 5 | Inexpensive and non-fluorinated superhydrophobic concrete coating for anti-icing and anti-corrosion. Journal of Colloid and Interface Science, 2019, 541, 86-92. | 9.4 | 170 |
| 6 | Table Salt as a Template to Prepare Reusable Porous PVDFâ€“MWCNT Foam for Separation of Immiscible Oils/Organic Solvents and Corrosive Aqueous Solutions. Advanced Functional Materials, 2017, 27, 1702926. | 14.9 | 160 |
| 7 | Creating superhydrophobic mild steel surfaces for water proofing and oilâ€“water separation. Journal of Materials Chemistry A, 2014, 2, 11628-11634. | 10.3 | 153 |
| 8 | Creating robust superamphiphobic coatings for both hard and soft materials. Journal of Materials Chemistry A, 2015, 3, 20999-21008. | 10.3 | 123 |
| 9 | Large-Area Fabrication of Droplet Pancake Bouncing Surface and Control of Bouncing State. ACS Nano, 2017, 11, 9259-9267. | 14.6 | 118 |
| 10 | Barrelâ€Shaped Oil Skimmer Designed for Collection of Oil from Spills. Advanced Materials Interfaces, 2015, 2, 1500350. | 3.7 | 112 |
| 11 | A Twice Electrochemical-Etching Method to Fabricate Superhydrophobic-Superhydrophilic Patterns for Biomimetic Fog Harvest. Scientific Reports, 2017, 7, 8816. | 3.3 | 110 |
| 12 | Ultrafast fabrication of rough structures required by superhydrophobic surfaces on Al substrates using an immersion method. Chemical Engineering Journal, 2012, 211-212, 143-152. | 12.7 | 107 |
| 13 | Atmospheric Pressure Plasma Functionalized Polymer Mesh: An Environmentally Friendly and Efficient Tool for Oil/Water Separation. ACS Sustainable Chemistry and Engineering, 2016, 4, 6828-6837. | 6.7 | 91 |
| 14 | High-efficiency bubble transportation in an aqueous environment on a serial wedge-shaped wettability pattern. Journal of Materials Chemistry A, 2019, 7, 13567-13576. | 10.3 | 90 |
| 15 | Controllable Water Adhesion and Anisotropic Sliding on Patterned Superhydrophobic Surface for Droplet Manipulation. Journal of Physical Chemistry C, 2016, 120, 7233-7240. | 3.1 | 89 |
| 16 | A superhydrophilic cement-coated mesh: an acid, alkali, and organic reagent-free material for oil/water separation. Nanoscale, 2018, 10, 1920-1929. | 5.6 | 81 |
| 17 | Fabrication of superoleophobic surfaces on Al substrates. Journal of Materials Chemistry A, 2013, 1, 14783. | 10.3 | 79 |
| 18 | A simple immersion approach for fabricating superhydrophobic Mg alloy surfaces. Applied Surface Science, 2013, 266, 445-450. | 6.1 | 78 |

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|---|---|---|---|
| 19 | Colorful superhydrophobic concrete coating. Chemical Engineering Journal, 2021, 403, 126348. | 12.7 | 77 |
| 20 | One-step electrochemical machining of superhydrophobic surfaces on aluminum substrates. Journal of Materials Science, 2012, 47, 162-168. | 3.7 | 72 |
| 21 | Underwater Spontaneous Pumpless Transportation of Nonpolar Organic Liquids on Extreme Wettability Patterns. ACS Applied Materials & Interfaces, 2016, 8, 2942-2949. | 8.0 | 72 |
| 22 | Superhydrophobic Nickel-Electroplated Carbon Fibers for Versatile Oil/Water Separation with Excellent Reusability and High Environmental Stability. ACS Applied Materials & Interfaces, 2020, 12, 24390-24402. | 8.0 | 72 |
| 23 | Robust platform for water harvesting and directional transport. Journal of Materials Chemistry A, 2018, 6, 5635-5643. | 10.3 | 71 |
| 24 | Stability of plasma treated superhydrophobic surfaces under different ambient conditions. Journal of Colloid and Interface Science, 2016, 470, 221-228. | 9.4 | 67 |
| 25 | Anisotropic sliding on dual-rail hydrophilic tracks. Lab on A Chip, 2017, 17, 1041-1050. | 6.0 | 56 |
| 26 | Robust Superhydrophobic Conical Pillars from Syringe Needle Shape to Straight Conical Pillar Shape for Droplet Pancake Bouncing. ACS Applied Materials & Interfaces, 2019, 11, 45345-45353. | 8.0 | 56 |
| 27 | Controlling the Adhesion of Superhydrophobic Surfaces Using Electrolyte Jet Machining Techniques. Scientific Reports, 2016, 6, 23985. | 3.3 | 52 |
| 28 | Maskless Hydrophilic Patterning of the Superhydrophobic Aluminum Surface by an Atmospheric Pressure Microplasma Jet for Water Adhesion Controlling. ACS Applied Materials & Interfaces, 2018, 10, 7497-7503. | 8.0 | 46 |
| 29 | Water droplets bouncing on superhydrophobic soft porous materials. Journal of Materials Chemistry A, 2014, 2, 12177-12184. | 10.3 | 45 |
| 30 | Multi-functional application of oil-infused slippery Al surface: from anti-icing to corrosion resistance. Journal of Materials Science, 2018, 53, 16099-16109. | 3.7 | 42 |
| 31 | Fabrication of superhydrophobic surfaces on aluminum substrates using NaNO3 electrolytes. Journal of Materials Science, 2011, 46, 5925-5930. | 3.7 | 38 |
| 32 | Dropletâ€Based Selfâ€Propelled Miniboat. Advanced Functional Materials, 2020, 30, 1910778. | 14.9 | 38 |
| 33 | Surface modification of tube inner wall by transferred atmospheric pressure plasma. Applied Surface Science, 2016, 389, 967-976. | 6.1 | 37 |
| 34 | Underwater Curvature-Driven Transport between Oil Droplets on Patterned Substrates. ACS Applied Materials & Interfaces, 2018, 10, 15258-15269. | 8.0 | 36 |
| 35 | Hydrophilic patterning of superhydrophobic surfaces by atmosphericâ€pressure plasma jet. Micro and Nano Letters, 2015, 10, 105-108. | 1.3 | 35 |
| 36 | Large-area fabrication of superhydrophobic micro-conical pillar arrays on various metallic substrates. Nanoscale, 2021, 13, 14023-14034. | 5.6 | 32 |

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|---|---|---|---|
| 37 | Optimization of bioinspired surfaces with enhanced water transportation capacity. Chemical Engineering Journal, 2022, 433, 134568. | 12.7 | 32 |
| 38 | Electrochemical 3D printing of superhydrophobic pillars with conical, cylindrical, and inverted conical shapes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126869. | 4.7 | 31 |
| 39 | Electrochemical machining of superhydrophobic surfaces on mold steel substrates. Surface and Coatings Technology, 2018, 344, 499-506. | 4.8 | 30 |
| 40 | Unpowered oil absorption by a wettability sponge based oil skimmer. RSC Advances, 2016, 6, 88001-88009. | 3.6 | 22 |
| 41 | Facile preparation of durable superhydrophobic-superoleophilic mesh using simple chemical oxidation for oil-water separation under harsh conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126777. | 4.7 | 22 |
| 42 | Anisotropic sliding of multipleâ€level biomimetic riceâ€leaf surfaces on aluminium substrates. Micro and Nano Letters, 2013, 8, 801-804. | 1.3 | 21 |
| 43 | A universal method to create surface patterns with extreme wettability on metal substrates. Journal of Colloid and Interface Science, 2019, 535, 100-110. | 9.4 | 21 |
| 44 | Soft elastic superhydrophobic cotton: A new material for contact time reduction in droplet bouncing. Surface and Coatings Technology, 2018, 347, 420-426. | 4.8 | 20 |
| 45 | Superoleophobic surfaces on stainless steel substrates obtained by chemical bath deposition. Micro and Nano Letters, 2017, 12, 76-81. | 1.3 | 19 |
| 46 | Through-mask electrochemical micromachining of micro pillar arrays on aluminum. Surface and Coatings Technology, 2020, 401, 126277. | 4.8 | 19 |
| 47 | Fabrication of Long-Term Underwater Superoleophobic Al Surfaces and Application on Underwater Lossless Manipulation of Non-Polar Organic Liquids. Scientific Reports, 2016, 6, 31818. | 3.3 | 18 |
| 48 | Water strider-inspired design of a water walking robot using superhydrophobic Al surface. Journal of Dispersion Science and Technology, 2018, 39, 1840-1847. | 2.4 | 18 |
| 49 | Fabrication of superhydrophobic surfaces on copper substrates via flow plating technology. Micro and Nano Letters, 2015, 10, 88-92. | 1.3 | 16 |
| 50 | Patterning of water traps using close-loop hydrophilic micro grooves. Applied Surface Science, 2016, 389, 447-454. | 6.1 | 16 |
| 51 | Power-free water pump based on a superhydrophobic surface: generation of a mushroom-like jet and anti-gravity long-distance transport. Journal of Materials Chemistry A, 2016, 4, 13771-13777. | 10.3 | 16 |
| 52 | Fast fabrication of superhydrophobic surfaces on Tiâ€“6Alâ€“4V substrates by deposition of lead. Surface and Coatings Technology, 2016, 302, 507-514. | 4.8 | 15 |
| 53 | A rapid two-step electroless deposition process to fabricate superhydrophobic coatings on steel substrates. Journal of Coatings Technology Research, 2012, 9, 643-650. | 2.5 | 14 |
| 54 | Adjusting the stability of plasma treated superhydrophobic surfaces by different modifications or microstructures. RSC Advances, 2016, 6, 79437-79447. | 3.6 | 14 |

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|---|---|---|---|
| 55 | Maintenance of superhydrophobic concrete for high compressive strength. Journal of Materials Science, 2021, 56, 4588-4598. | 3.7 | 14 |
| 56 | Fabrication of superhydrophobic surfaces with hierarchical rough structures on Mg alloy substrates via chemical corrosion method. Micro and Nano Letters, 2012, 7, 204. | 1.3 | 13 |
| 57 | Plasma Hydrophilization of Superhydrophobic Surface and Its Aging Behavior: The Effect of Micro/nanostructured Surface. Surface and Interface Analysis, 2016, 48, 368-372. | 1.8 | 13 |
| 58 | Directional transport of water droplets on superhydrophobic aluminium alloy surface. Micro and Nano Letters, 2015, 10, 343-346. | 1.3 | 12 |
| 59 | Influence of water addition on the modification of polyethylene surface by nitrogen atmospheric pressure plasma jet. Journal of Applied Polymer Science, 2019, 136, 47136. | 2.6 | 10 |
| 60 | Atmospheric pressure cold plasma jetâ€“assisted micro-milling TC4 titanium alloy. International Journal of Advanced Manufacturing Technology, 2021, 112, 2201-2209. | 3.0 | 10 |
| 61 | Drop impact on elastic superhydrophobic films: From pancake bouncing to saucer bouncing. Materials Letters, 2021, 285, 129076. | 2.6 | 9 |
| 62 | Superhydrophobic straw felt for oil absorption. Results in Engineering, 2022, 13, 100370. | 5.1 | 9 |
| 63 | Pouringâ€type gravityâ€driven oilâ€“water separation without water bridge. Micro and Nano Letters, 2017, 12, 744-748. | 1.3 | 8 |
| 64 | Comparative study of surface modification of polyethylene by parallel-field and cross-field atmospheric pressure plasma jets. Journal of Applied Physics, 2019, 125, . | 2.5 | 8 |
| 65 | 3D FEM simulation of chip breakage in turning AISI1045 with complicate-grooved insert. International Journal of Advanced Manufacturing Technology, 2020, 108, 1331-1341. | 3.0 | 8 |
| 66 | A facile and less-polluting electrochemical method to fabricate multifunctional superhydrophobic film on iron materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124495. | 4.7 | 8 |
| 67 | Slippery concrete for sanitation. Progress in Organic Coatings, 2022, 171, 107022. | 3.9 | 8 |
| 68 | Fabrication Technology of Low-Adhesive Superhydrophobic and Superamphiphobic Surfaces Based on Electrochemical Machining Method. Journal of Micro and Nano-Manufacturing, 2013, 1, . | 0.7 | 7 |
| 69 | Nanotextured Surfaces with Underwater Anisotropic Sliding Resistance for Oil Transfer and Coalescence. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 580, 123691. | 4.7 | 7 |
| 70 | Fabrication of Low-Adhesive Superhydrophobic Al Surfaces via Self-Assembled Primary Cell Assisted Etching. Journal of Dispersion Science and Technology, 2013, 34, 908-913. | 2.4 | 5 |
| 71 | Energy conversion based on superhydrophobic surfaces. Physical Chemistry Chemical Physics, 2020, 22, 25430-25444. | 2.8 | 5 |
| 72 | Doping Cu Atoms Excel as the Functional Material to Tune the Wettability for TMeNs Hard Coating. Advanced Materials Interfaces, 2018, 5, 1800391. | 3.7 | 4 |

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|---|---|---|---|
| 73 | Open surface multifunctional droplet manipulation platform fabricated by micromilling. Journal of Materials Science, 2019, 54, 10715-10727. | 3.7 | 4 |
| 74 | Longâ€lasting oil wettability patterns fabrication on superoleophobic surfaces by atmospheric pressure DBD plasma jet. Micro and Nano Letters, 2017, 12, 1000-1005. | 1.3 | 3 |
| 75 | Capillary drainage of a sessile droplet through a hole. Physical Review Fluids, 2020, 5, . | 2.5 | 3 |
| 76 | Preparation of Transparent Sandwich-like Superhydrophobic Coating on Glass with High Stability and Self-Cleaning Properties. Coatings, 2022, 12, 228. | 2.6 | 3 |
| 77 | Self-propelling superhydrophobic miniboat with a superhydrophilic wedge-shaped pattern. Results in Engineering, 2022, 14, 100388. | 5.1 | 3 |
| 78 | Oil Spills: Barrel-Shaped Oil Skimmer Designed for Collection of Oil from Spills (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Tc | 3.7 | 2 |
| 79 | Fabrication of extreme wettability patterns with water-film protection for organic liquids. Journal of Dispersion Science and Technology, 2017, 38, 566-569. | 2.4 | 2 |
| 80 | Self-propelled hydrogels that glide on water. Science Robotics, 2021, 6, . | 17.6 | 2 |
| 81 | Reversible lossless manipulation of water droplets with largeâ€range volume. Micro and Nano Letters, 2018, 13, 896-901. | 1.3 | 2 |
| 82 | Fabrication of superoleophobic surfaces on Zn substrates by electrochemical etching and perfluorooctanoic acid modification. Micro and Nano Letters, 2016, 11, 109-113. | 1.3 | 1 |
| 83 | Experimental study on correcting the contour error of a rotary surface machined by electrochemical mechanical machining. International Journal of Advanced Manufacturing Technology, 2019, 104, 2827-2838. | 3.0 | 0 |
| 84 | Study on Dry-ice Particle Jet Assisted Decontamination Technology. Journal of Physics: Conference Series, 2021, 1948, 012123. | 0.4 | 0 |
| 85 | Fabrication and application of superhydrophobic-superoleophilic porous Cu sponge. , 2017, , . | | 0 |