# Jiantao Li

## List of Publications by Year in descending order



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|---|---|---|---|
| 67 papers | 799 citations | 840119 11 h-index | 580395 25 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 919 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The problem with platinum. Materials Today, 2008, 11, 65-68. | 8.3 | 256 |
| 2 | A critical review on energy recovery and non-hazardous disposal of oily sludge from petroleum industry by pyrolysis. Journal of Hazardous Materials, 2021, 406, 124706. | 6.5 | 99 |
| 3 | Nitrogen, sulfur, chlorine containing pollutants releasing characteristics during pyrolysis and combustion of oily sludge. Fuel, 2020, 273, 117772. | 3.4 | 86 |
| 4 | Characterization of naturally aged cement-solidified MSWI fly ash. Waste Management, 2018, 80, 101-111. | 3.7 | 62 |
| 5 | Comparison of long-term stability under natural ageing between cement solidified and chelator-stabilised MSWI fly ash. Environmental Pollution, 2019, 250, 68-78. | 3.7 | 56 |
| 6 | Hazardous elements flow during pyrolysis of oily sludge. Journal of Hazardous Materials, 2021, 409, 124986. | 6.5 | 47 |
| 7 | Transformation of nitrogen, sulfur and chlorine during waste tire pyrolysis. Journal of Analytical and Applied Pyrolysis, 2021, 153, 104987. | 2.6 | 44 |
| 8 | Products distribution and pollutants releasing characteristics during pyrolysis of waste tires under different thermal process. Journal of Hazardous Materials, 2022, 424, 127351. | 6.5 | 37 |
| 9 | Characteristics of the cement-solidified municipal solid waste incineration fly ash. Environmental Science and Pollution Research, 2018, 25, 36736-36744. | 2.7 | 29 |
| 10 | Migration of chlorinated compounds on products quality and dioxins releasing during pyrolysis of oily sludge with high chlorine content. Fuel, 2021, 306, 121744. | 3.4 | 17 |
| 11 | ARTP Mutagenesis of Schizochytrium sp. PKU#Mn4 and Clethodim-Based Mutant Screening for Enhanced Docosahexaenoic Acid Accumulation. Marine Drugs, 2021, 19, 564. | 2.2 | 12 |
| 12 | Catalytic pyrolysis of oily sludge with iron-containing waste for production of high-quality oil and H2-rich gas. Fuel, 2022, 326, 124995. | 3.4 | 12 |
| 13 | Effects of inherent minerals on oily sludge pyrolysis: Kinetics, products, and secondary pollutants. Chemical Engineering Journal, 2021, 431, 133218. | 6.6 | 10 |
| 14 | Transformation and regulation of nitrogen and sulfur during pyrolysis of oily sludge with N/S model compounds. Fuel, 2022, 324, 124651. | 3.4 | 9 |
| 15 | Utilizing waste duckweed from phytoremediation to synthesize highly efficient Fe N C catalysts for oxygen reduction reaction electrocatalysis. Science of the Total Environment, 2022, 819, 153115. | 3.9 | 5 |
| 16 | Nanostructured wood promises eco-friendly desalination. Nano Today, 2019, 28, 100770. | 6.2 | 3 |
| 17 | A new twist on growing carbon nanotubes. Nano Today, 2020, 30, 100840. | 6.2 | 2 |
| 18 | Nanoscale variations in membranes determine performance. Nano Today, 2021, 37, 101114. | 6.2 | 2 |

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|---|---|---|---|
| 19 | MXenes show promise against SARS-CoV-2. Nano Today, 2021, 38, 101171. | 6.2 | 2 |
| 20 | Shape memory actuators drive micro-sized robots. Nano Today, 2021, 38, 101167. | 6.2 | 2 |
| 21 | Molecular nanostructures make high-energy shape memory polymers. Nano Today, 2021, 41, 101321. | 6.2 | 2 |
| 22 | Raman spectroscopy stretches beyond the nanoscale. Nano Today, 2020, 31, 100852. | 6.2 | 1 |
| 23 | Nanomesh pressure sensor at your fingertips. Nano Today, 2021, 36, 101068. | 6.2 | 1 |
| 24 | Graphene lattice guides thin film nitride growth. Nano Today, 2021, 40, 101275. | 6.2 | 1 |
| 25 | Disordered composite promises wearable temperature sensor. Nano Today, 2020, 32, 100875. | 6.2 | 1 |
| 26 | Engineered nanomaterials affect soil enzyme activity. Nano Today, 2022, 42, 101384. | 6.2 | 1 |
| 27 | Looking over the artist's shoulder. Materials Today, 2008, 11, 40-44. | 8.3 | 0 |
| 28 | A passion for metallurgy. Metal Powder Report, 2015, 70, 28-30. | 0.3 | 0 |
| 29 | Composites come together. Reinforced Plastics, 2015, 59, 34-37. | 0.5 | 0 |
| 30 | Looking for answers. Metal Powder Report, 2015, 70, 176-179. | 0.3 | 0 |
| 31 | Crystallization goes its own way. Nano Today, 2019, 28, 100771. | 6.2 | 0 |
| 32 | Gold-polymer conductors stretch to next level. Nano Today, 2019, 28, 100769. | 6.2 | 0 |
| 33 | Nanowire radius selects crystal structure. Nano Today, 2020, 34, 100974. | 6.2 | 0 |
| 34 | Lateral interactions set the stage for fiber performance. Nano Today, 2020, 34, 100973. | 6.2 | 0 |
| 35 | Nanoparticles donâ€™t mind the gap when it comes to tumors. Nano Today, 2020, 30, 100839. | 6.2 | 0 |
| 36 | Nanostructured polymer turns to the light. Nano Today, 2020, 30, 100841. | 6.2 | 0 |

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|---|---|---|---|
| 37 | Nanoscale metal-organic-framework boosts immune response. Nano Today, 2020, 35, 101015. | 6.2 | 0 |
| 38 | Nanocatalyst has the edge on carbon reclamation. Nano Today, 2020, 32, 100869. | 6.2 | 0 |
| 39 | Structural change in SiGe leads to light emission. Nano Today, 2020, 34, 100951. | 6.2 | 0 |
| 40 | Infrared nano-spectroscopy goes below the surface. Nano Today, 2020, 35, 100979. | 6.2 | 0 |
| 41 | Protein nanowires generate power from humidity. Nano Today, 2020, 32, 100857. | 6.2 | 0 |
| 42 | Gold tape releases layered materials from bonds. Nano Today, 2020, 32, 100858. | 6.2 | 0 |
| 43 | Writing is on the wall for intelligent clothing. Nano Today, 2020, 32, 100876. | 6.2 | 0 |
| 44 | Graphene oxide can cause anaphylactic shock in primates. Nano Today, 2021, 36, 101050. | 6.2 | 0 |
| 45 | Bioinspired material puts the squeeze on plastics. Nano Today, 2021, 36, 101069. | 6.2 | 0 |
| 46 | Imperfect nanodiamond offers ultrasensitive sensing. Nano Today, 2021, 36, 101067. | 6.2 | 0 |
| 47 | DNA assembly creates 3D superconducting nanostructures. Nano Today, 2021, 36, 101071. | 6.2 | 0 |
| 48 | Rotated graphene stacks up for better membranes. Nano Today, 2021, 37, 101116. | 6.2 | 0 |
| 49 | Ultrafast electron microscopy captures nanoscale phase changes. Nano Today, 2021, 37, 101113. | 6.2 | 0 |
| 50 | Photon avalanche in nanoparticles opens way to bioimaging. Nano Today, 2021, 37, 101111. | 6.2 | 0 |
| 51 | Strain could switch on diamond for optoelectronics. Nano Today, 2021, 37, 101112. | 6.2 | 0 |
| 52 | Photocathode for hydrogen production is self-improving. Nano Today, 2021, 38, 101172. | 6.2 | 0 |
| 53 | Flexible composite twists and bends in response to light. Nano Today, 2021, 38, 101166. | 6.2 | 0 |
| 54 | Enzyme-powered nanorobots behave like a swarm. Nano Today, 2021, 38, 101168. | 6.2 | 0 |

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|---|---|---|---|
| 55 | Novel nanocrystals catch the light. Nano Today, 2021, 39, 101236. | 6.2 | 0 |
| 56 | New form of two-dimensional carbon shows its mettle. Nano Today, 2021, 39, 101232. | 6.2 | 0 |
| 57 | Graphene oxide fibers fuse and split reversibly. Nano Today, 2021, 39, 101228. | 6.2 | 0 |
| 58 | Graphene veil protects artworks from fading. Nano Today, 2021, 40, 101277. | 6.2 | 0 |
| 59 | Float assembly promises more skin-like electronics. Nano Today, 2021, 41, 101318. | 6.2 | 0 |
| 60 | Borophene grows up. Nano Today, 2021, 41, 101319. | 6.2 | 0 |
| 61 | Nanoparticles drive self-limiting nanostructure assembly. Nano Today, 2021, 41, 101322. | 6.2 | 0 |
| 62 | Diamond shows its metal under strain. Nano Today, 2020, 35, 101011. | 6.2 | 0 |
| 63 | Carbon nanotubes support spinal recovery. Nano Today, 2020, 35, 101013. | 6.2 | 0 |
| 64 | Small molecule boosts polymer solar cell performance. Nano Today, 2021, 41, 101320. | 6.2 | 0 |
| 65 | All that glitters is aâ€¦ cellulose nanocrystal film. Nano Today, 2022, 42, 101385. | 6.2 | 0 |
| 66 | Electrodeposition additives turn metallic nanostructures complex. Nano Today, 2022, 42, 101383. | 6.2 | 0 |
| 67 | Rusty 2D magnetene is a slippery customer. Nano Today, 2022, 42, 101386. | 6.2 | 0 |