

# Yujie Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5548610/publications.pdf>

Version: 2024-02-01

19  
papers

465  
citations

840585

11  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

611  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Micro- and nano-structured 3D printed titanium implants with a hydroxyapatite coating for improved osseointegration. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3136-3144. | 2.9 | 62        |
| 2  | Effect of a High Density of Stacking Faults on the Young's Modulus of GaAs Nanowires. <i>Nano Letters</i> , 2016, 16, 1911-1916.   | 4.5 | 61        |
| 3  | Mechanical behaviors of nanowires. <i>Applied Physics Reviews</i> , 2017, 4, 031104.   | 5.5 | 54        |
| 4  | Strengthening Brittle Semiconductor Nanowires through Stacking Faults: Insights from in Situ Mechanical Testing. <i>Nano Letters</i> , 2013, 13, 4369-4373.                        | 4.5 | 45        |
| 5  | Determination of Young's Modulus of Ultrathin Nanomaterials. <i>Nano Letters</i> , 2015, 15, 5279-5283.  | 4.5 | 44        |
| 6  | Unraveling dual phase transformations in a CrCoNi medium-entropy alloy. <i>Acta Materialia</i> , 2021, 215, 117112.  | 3.8 | 43        |
| 7  | Calcifiers can Adjust Shell Building at the Nanoscale to Resist Ocean Acidification. <i>Small</i> , 2020, 16, e2003186.  | 5.2 | 28        |
| 8  | How calorie-rich food could help marine calcifiers in a CO <sub>2</sub> -rich future. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190757.        | 1.2 | 24        |
| 9  | Size-dependent deformation behavior of dual-phase, nanostructured CrCoNi medium-entropy alloy. <i>Science China Materials</i> , 2021, 64, 209-222.                                 | 3.5 | 20        |
| 10 | Hierarchical nanostructure of CrCoNi film underlying its remarkable mechanical strength. <i>Applied Physics Letters</i> , 2018, 113, .   | 1.5 | 14        |
| 11 | A Review on the Tribological Performances of High-Entropy Alloys. <i>Advanced Engineering Materials</i> , 2022, 24, .  | 1.6 | 12        |
| 12 | Remarkable toughness of a nanostructured medium-entropy nitride compound. <i>Nanoscale</i> , 2021, 13, 15074-15084.  | 2.8 | 10        |
| 13 | Deciphering deformation mechanisms of hierarchical dual-phase CrCoNi coatings. <i>Journal of Materials Science and Technology</i> , 2020, 39, 7-13.                                | 5.6 | 9         |
| 14 | Self-toughened high entropy alloy with a body-centred cubic structure. <i>Nanoscale</i> , 2021, 13, 3602-3612.   | 2.8 | 8         |
| 15 | Mechanical size effect of eutectic high entropy alloy: Effect of lamellar orientation. <i>Journal of Materials Science and Technology</i> , 2021, 82, 10-20.                       | 5.6 | 8         |
| 16 | Mechanical Behaviors of Semiconductor Nanowires. <i>Semiconductors and Semimetals</i> , 2016, 94, 109-158.   | 0.4 | 7         |
| 17 | Effects of loading misalignment and tapering angle on the measured mechanical properties of nanowires. <i>Nanotechnology</i> , 2015, 26, 435704.                                   | 1.3 | 6         |
| 18 | Forging strength-ductility unity in a high entropy steel. <i>Journal of Materials Science and Technology</i> , 2022, 113, 158-165.   | 5.6 | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Deformation-Induced Phase Transformations in Gold Nanoribbons with the 4H Phase. ACS Nano, 2022, 16, 3272-3279. | 7.3 | 5         |