# Kisun Kim

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10385506/publications.pdf

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|---|---|---|---|
| 18 papers | 491 citations | 623734 14 h-index | 839539 18 g-index |
| 18 all docs | 18 docs citations | 18 times ranked | 594 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Strength dependence of epoxy composites on the average filler size of non-oxidized graphene flake. Carbon, 2017, 113, 379-386. | 10.3 | 63 |
| 2 | 2D and 3D nanostructuring strategies for thermoelectric materials. Nanoscale, 2019, 11, 19684-19699. | 5.6 | 54 |
| 3 | Rapid, Highâ€Resolution 3D Interference Printing of Multilevel Ultralong Nanochannel Arrays for Highâ€Throughput Nanofluidic Transport. Advanced Materials, 2015, 27, 8000-8006. | 21.0 | 45 |
| 4 | Low-Cost Black Phosphorus Nanofillers for Improved Thermoelectric Performance in PEDOT:PSS Composite Films. ACS Applied Materials & Interfaces, 2018, 10, 17957-17962. | 8.0 | 42 |
| 5 | Anomalous thermoelectricity of pure ZnO from 3D continuous ultrathin nanoshell structures. Nanoscale, 2018, 10, 3046-3052. | 5.6 | 35 |
| 6 | Monolithic Bi<sub>1.5</sub>Sb<sub>0.5</sub>Te<sub>3</sub> ternary alloys with a periodic 3D nanostructure for enhancing thermoelectric performance. Journal of Materials Chemistry C, 2017, 5, 8974-8980. | 5.5 | 32 |
| 7 | High-performance functional nanocomposites using 3D ordered and continuous nanostructures generated from proximity-field nanopatterning. Functional Composites and Structures, 2019, 1, 032002. | 3.4 | 27 |
| 8 | Improving electrochemical active area of MoS2 via attached on 3D-ordered structures for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 28143-28150. | 7.1 | 27 |
| 9 | 3D ordered carbon/SnO2 hybrid nanostructures for energy storage applications. Electrochimica Acta, 2018, 288, 108-114. | 5.2 | 26 |
| 10 | Conformally Coated Nickel Phosphide on 3D, Ordered Nanoporous Nickel for Highly Active and Durable Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2020, 8, 17116-17123. | 6.7 | 24 |
| 11 | Breaking the elastic limit of piezoelectric ceramics using nanostructures: A case study using ZnO. Nano Energy, 2020, 78, 105259. | 16.0 | 23 |
| 12 | Emergence of New Densityâ€“Strength Scaling Law in 3D Hollow Ceramic Nanoarchitectures. Small, 2018, 14, e1802239. | 10.0 | 21 |
| 13 | Fundamental principles and development of proximity-field nanopatterning toward advanced 3D nanofabrication. Nano Research, 2021, 14, 2965-2980. | 10.4 | 21 |
| 14 | Continuous 3D-nanopatterned Niâ€“Mo solid solution as a free-standing electrocatalyst for the hydrogen evolution reaction in alkaline medium. Journal of Materials Chemistry A, 2021, 9, 7767-7773. | 10.3 | 17 |
| 15 | 3D ordered nanoelectrodes for energy conversion applications: thermoelectric, piezoelectric, and electrocatalytic applications. Journal of the Korean Ceramic Society, 2021, 58, 379-398. | 2.3 | 12 |
| 16 | Significantly Enhanced Thermoelectric Performance of Graphene through Atomic-Scale Defect Engineering via Mobile Hot-Wire Chemical Vapor Deposition Systems. ACS Applied Materials & Interfaces, 2021, 13, 24304-24313. | 8.0 | 8 |
| 17 | Improving intrinsic electrocatalytic activity of layered transition metal chalcogenides as electrocatalysts for water splitting. Current Opinion in Electrochemistry, 2022, 34, 100982. | 4.8 | 7 |
| 18 | Boosting bifunctional oxygen electrocatalysis of graphitic C<sub>3</sub>N<sub>4</sub> using non-covalently functionalized non-oxidized graphene aerogels as catalyst supports. Journal of Materials Chemistry A, 2022, 10, 15689-15697. | 10.3 | 7 |