

Bongjun Yeom

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,278
citations

331259

21
h-index

182168

51
g-index

59
all docs

59
docs citations

59
times ranked

5949
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Stretchable nanoparticle conductors with self-organized conductive pathways. <i>Nature</i> , 2013, 500, 59-63. | 13.7 | 729 |
| 2 | Chiral templating of self-assembling nanostructures by circularly polarized light. <i>Nature Materials</i> , 2015, 14, 66-72. | 13.3 | 330 |
| 3 | Chiral Graphene Quantum Dots. <i>ACS Nano</i> , 2016, 10, 1744-1755. | 7.3 | 304 |
| 4 | Reconfigurable chiroptical nanocomposites with chirality transfer from the macro- to the nanoscale. <i>Nature Materials</i> , 2016, 15, 461-468. | 13.3 | 220 |
| 5 | Shape-Dependent Biomimetic Inhibition of Enzyme by Nanoparticles and Their Antibacterial Activity. <i>ACS Nano</i> , 2015, 9, 9097-9105. | 7.3 | 192 |
| 6 | Abiotic tooth enamel. <i>Nature</i> , 2017, 543, 95-98. | 13.7 | 184 |
| 7 | Branched Aramid Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11744-11748. | 7.2 | 140 |
| 8 | Chiral Plasmonic Nanostructures on Achiral Nanopillars. <i>Nano Letters</i> , 2013, 13, 5277-5283. | 4.5 | 125 |
| 9 | Anomalous dispersions of hedgehog particles. <i>Nature</i> , 2015, 517, 596-599. | 13.7 | 116 |
| 10 | Biomimetic Hierarchical Assembly of Helical Supraparticles from Chiral Nanoparticles. <i>ACS Nano</i> , 2016, 10, 3248-3256. | 7.3 | 104 |
| 11 | Multiscale deformations lead to high toughness and circularly polarized emission in helical nacre-like fibres. <i>Nature Communications</i> , 2016, 7, 10701. | 5.8 | 90 |
| 12 | Aramid nanofiber-reinforced transparent nanocomposites. <i>Journal of Composite Materials</i> , 2015, 49, 1873-1879. | 1.2 | 74 |
| 13 | A Metal-Like Conductive Elastomer with a Hierarchical Wrinkled Structure. <i>Advanced Materials</i> , 2020, 32, 1906460. | 11.1 | 55 |
| 14 | Layer-by-layer assembly for ultrathin energy-harvesting films: Piezoelectric and triboelectric nanocomposite films. <i>Nano Energy</i> , 2019, 56, 1-15. | 8.2 | 54 |
| 15 | Modulating the Pattern Quality of Micropatterned Multilayer Films Prepared by Layer-by-Layer Self-Assembly. <i>Langmuir</i> , 2006, 22, 1356-1364. | 1.6 | 41 |
| 16 | Universal perpendicular orientation of block copolymer microdomains using a filtered plasma. <i>Nature Communications</i> , 2019, 10, 2912. | 5.8 | 41 |
| 17 | Simultaneously High Stiffness and Damping in Nanoengineered Microtruss Composites. <i>ACS Nano</i> , 2014, 8, 3468-3475. | 7.3 | 40 |
| 18 | Sonochemical-assisted synthesis of 3D graphene/nanoparticle foams and their application in supercapacitor. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 422-428. | 3.8 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Rate dependent finite strain constitutive modeling of polyurethane and polyurethane-clay nanocomposites. <i>International Journal of Solids and Structures</i> , 2015, 54, 147-155. | 1.3 | 27 |
| 20 | Coordination Assembly of Discoid Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8966-8970. | 7.2 | 25 |
| 21 | Fabrication of Chiral Materials in Nano- and Microscale. <i>Chemistry of Materials</i> , 2021, 33, 807-817. | 3.2 | 25 |
| 22 | Cesium ion-exchange resin using sodium dodecylbenzenesulfonate for binding to Prussian blue. <i>Chemosphere</i> , 2020, 244, 125589. | 4.2 | 22 |
| 23 | Nanostructured CaCO ₃ Thin Films Formed on the Urease Multilayers Prepared by the Layer-by-Layer Deposition. <i>Chemistry of Materials</i> , 2010, 22, 101-107. | 3.2 | 19 |
| 24 | Textile-Type Lithium-Ion Battery Cathode Enabling High Specific/Areal Capacities and High Rate Capability through Ligand Replacement Reaction-Mediated Assembly. <i>Advanced Energy Materials</i> , 2021, 11, 2101631. | 10.2 | 19 |
| 25 | Intrinsically Stretchable and Printable Lithium-Ion Battery for Free-Form Configuration. <i>ACS Nano</i> , 2022, 16, 2271-2281. | 7.3 | 19 |
| 26 | Spontaneous Self-Organization Enables Dielectrophoresis of Small Nanoparticles and Formation of Photoconductive Microbridges. <i>Journal of the American Chemical Society</i> , 2011, 133, 10688-10691. | 6.6 | 18 |
| 27 | Controlled Fabrication of 3D Chiral Microwrinkles via Asymmetrical and Biaxial Bucklings. <i>Advanced Functional Materials</i> , 2019, 29, 1808979. | 7.8 | 18 |
| 28 | Highly aligned aramid nanofibrillar nanocomposites for enhanced dynamic mechanical properties. <i>Composites Part B: Engineering</i> , 2022, 229, 109467. | 5.9 | 17 |
| 29 | Shear-Rolling Process for Unidirectionally and Perpendicularly Oriented Sub-10-nm Block Copolymer Patterns on the 4 in Scale. <i>ACS Nano</i> , 2021, 15, 8549-8558. | 7.3 | 16 |
| 30 | Vortex-assisted layer-by-layer assembly of silver nanowire thin films for flexible and transparent conductive electrodes. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 371-377. | 5.0 | 15 |
| 31 | Pyrolysis of Helical Coordination Polymers for Metal-Sulfide-Based Helices with Broadband Chiroptical Activity. <i>ACS Nano</i> , 2017, 11, 5309-5317. | 7.3 | 14 |
| 32 | Branched Aramid Nanofibers. <i>Angewandte Chemie</i> , 2017, 129, 11906-11910. | 1.6 | 14 |
| 33 | A conducting composite microfiber containing graphene/silver nanowires in an agarose matrix with fast humidity sensing ability. <i>Polymer</i> , 2019, 164, 1-7. | 1.8 | 13 |
| 34 | A Layer-by-Layer Assembly Route to Electroplated Fibril-Based 3D Porous Current Collectors for Energy Storage Devices. <i>Small</i> , 2021, 17, e2007579. | 5.2 | 13 |
| 35 | Effect of Interfacial Adhesion on the Mechanical Properties of Organic/Inorganic Hybrid Nanolaminates. <i>Journal of Adhesion</i> , 2006, 82, 447-468. | 1.8 | 12 |
| 36 | Chiral Magneto-Optical Properties of Supra-Assembled Fe ₃ O ₄ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54301-54307. | 4.0 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Thermally triggered self-assembly of β -casein amyloid nanofibrils and their nanomechanical properties. <i>Polymer</i> , 2019, 179, 121626. | 1.8 | 10 |
| 38 | Chiral Plasmonic Nanowaves by Tilted Assembly of Unidirectionally Aligned Block Copolymers with Buckling-Induced Microwrinkles. <i>ACS Nano</i> , 2021, 15, 17463-17471. | 7.3 | 10 |
| 39 | Charge-Transfer Effects of Organic Ligands on Energy Storage Performance of Oxide Nanoparticle-Based Electrodes. <i>Advanced Functional Materials</i> , 2022, 32, 2106438. | 7.8 | 9 |
| 40 | A loop of two rods. <i>Nature Materials</i> , 2014, 13, 228-229. | 13.3 | 7 |
| 41 | Enhancement of fracture toughness in organic/inorganic hybrid nanolaminates with ultrathin adhesive layers. <i>Polymer</i> , 2016, 91, 187-193. | 1.8 | 7 |
| 42 | Titania nanoparticle-loaded mesoporous silica synthesized through layer-by-layer assembly for the photodegradation of sodium dodecylbenzenesulfonate. <i>Applied Surface Science</i> , 2019, 490, 38-46. | 3.1 | 7 |
| 43 | Birefringence-Induced Modulation of Optical Activity in Chiral Plasmonic Helical Arrays. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1872-1877. | 2.1 | 6 |
| 44 | Anisotropic Alignment of Bacterial Nanocellulose Ionogels for Unconventionally High Combination of Stiffness and Damping. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30056-30066. | 4.0 | 5 |
| 45 | Enzyme-assisted growth of nacreous CaCO ₃ /polymer hybrid nanolaminates via the formation of mineral bridges. <i>Journal of Crystal Growth</i> , 2016, 443, 31-37. | 0.7 | 4 |
| 46 | Layer-by-Layer Assembly of β -Casein Amyloid Fibrils for the Preparation of Hollow Microcapsules. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700382. | 1.1 | 4 |
| 47 | Multiple Transfer of Layer-by-Layer Nanofunctional Films by Adhesion Controls. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48476-48486. | 4.0 | 4 |
| 48 | Preprogrammed microfluidic system for parallel anti-reflection coating by layer-by-layer assembly. <i>Lab on A Chip</i> , 2021, 21, 4629-4636. | 3.1 | 4 |
| 49 | Effect of soft segment and clay volume fraction on rate dependent damping of polyurethane and polyurethane-clay nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 2129-2135. | 1.6 | 3 |
| 50 | Conductive Elastomers: A Metal-Like Conductive Elastomer with a Hierarchical Wrinkled Structure (<i>Adv. Mater.</i> 7/2020). <i>Advanced Materials</i> , 2020, 32, 2070051. | 11.1 | 2 |
| 51 | Macromol. Chem. Phys. 3/2018. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1870009. | 1.1 | 0 |