

Bongjun Yeom

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

2,445
citations

19
h-index

49
g-index

59
ext. papers

2,883
ext. citations

13.8
avg, IF

4.95
L-index

#	Paper	IF	Citations
51	Highly aligned aramid nanofibrillar nanocomposites for enhanced dynamic mechanical properties. <i>Composites Part B: Engineering</i> , 2022 , 229, 109467	10	2
50	Chiral Magneto-Optical Properties of Supra-Assembled FeO Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54301-54307	9.5	1
49	Preprogrammed microfluidic system for parallel anti-reflection coating by layer-by-layer assembly. <i>Lab on A Chip</i> , 2021 , 21, 4629-4636	7.2	0
48	A Layer-by-Layer Assembly Route to Electroplated Fibril-Based 3D Porous Current Collectors for Energy Storage Devices. <i>Small</i> , 2021 , 17, e2007579	11	6
47	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	16.7	6
46	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	21.8	7
45	Fabrication of Chiral Materials in Nano- and Microscale. <i>Chemistry of Materials</i> , 2021 , 33, 807-817	9.6	12
44	Conductive Elastomers: A Metal-Like Conductive Elastomer with a Hierarchical Wrinkled Structure (Adv. Mater. 7/2020). <i>Advanced Materials</i> , 2020 , 32, 2070051	24	1
43	Cesium ion-exchange resin using sodium dodecylbenzenesulfonate for binding to Prussian blue. <i>Chemosphere</i> , 2020 , 244, 125589	8.4	9
42	A Metal-Like Conductive Elastomer with a Hierarchical Wrinkled Structure. <i>Advanced Materials</i> , 2020 , 32, e1906460	24	34
41	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	6.7	4
40	Controlled Fabrication of 3D Chiral Microwrinkles via Asymmetrical and Biaxial Bucklings. <i>Advanced Functional Materials</i> , 2019 , 29, 1808979	15.6	8
39	Thermally triggered self-assembly of E-casein amyloid nanofibrils and their nanomechanical properties. <i>Polymer</i> , 2019 , 179, 121626	3.9	5
38	Universal perpendicular orientation of block copolymer microdomains using a filtered plasma. <i>Nature Communications</i> , 2019 , 10, 2912	17.4	23
37	Multiple Transfer of Layer-by-Layer Nanofunctional Films by Adhesion Controls. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48476-48486	9.5	2
36	Layer-by-layer assembly for ultrathin energy-harvesting films: Piezoelectric and triboelectric nanocomposite films. <i>Nano Energy</i> , 2019 , 56, 1-15	17.1	35
35	A conducting composite microfiber containing graphene/silver nanowires in an agarose matrix with fast humidity sensing ability. <i>Polymer</i> , 2019 , 164, 1-7	3.9	10

34	Macromol. Chem. Phys. 3/2018. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1870009	2.6	
33	Layer-by-Layer Assembly of β -Casein Amyloid Fibrils for the Preparation of Hollow Microcapsules. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700382	2.6	3
32	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	9.3	12
31	Abiotic tooth enamel. <i>Nature</i> , 2017 , 543, 95-98	50.4	127
30	Birefringence-Induced Modulation of Optical Activity in Chiral Plasmonic Helical Arrays. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1872-1877	6.4	4
29	Pyrolysis of Helical Coordination Polymers for Metal-Sulfide-Based Helices with Broadband Chiroptical Activity. <i>ACS Nano</i> , 2017 , 11, 5309-5317	16.7	13
28	Branched Aramid Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11744-11748	16.4	90
27	Branched Aramid Nanofibers. <i>Angewandte Chemie</i> , 2017 , 129, 11906-11910	3.6	13
26	Multiscale deformations lead to high toughness and circularly polarized emission in helical nacre-like fibres. <i>Nature Communications</i> , 2016 , 7, 10701	17.4	80
25	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	1.6	3
24	Biomimetic Hierarchical Assembly of Helical Supraparticles from Chiral Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 3248-56	16.7	86
23	Chiral Graphene Quantum Dots. <i>ACS Nano</i> , 2016 , 10, 1744-55	16.7	216
22	Reconfigurable chiroptical nanocomposites with chirality transfer from the macro- to the nanoscale. <i>Nature Materials</i> , 2016 , 15, 461-8	27	169
21	Enhancement of fracture toughness in organic/inorganic hybrid nanolaminates with ultrathin adhesive layers. <i>Polymer</i> , 2016 , 91, 187-193	3.9	4
20	Aramid nanofiber-reinforced transparent nanocomposites. <i>Journal of Composite Materials</i> , 2015 , 49, 1873-1879	2.7	58
19	Shape-Dependent Biomimetic Inhibition of Enzyme by Nanoparticles and Their Antibacterial Activity. <i>ACS Nano</i> , 2015 , 9, 9097-105	16.7	139
18	Sonochemical-assisted synthesis of 3D graphene/nanoparticle foams and their application in supercapacitor. <i>Ultrasonics Sonochemistry</i> , 2015 , 22, 422-8	8.9	30
17	Rate dependent finite strain constitutive modeling of polyurethane and polyurethane/layer nanocomposites. <i>International Journal of Solids and Structures</i> , 2015 , 54, 147-155	3.1	17

16	Chiral templating of self-assembling nanostructures by circularly polarized light. <i>Nature Materials</i> , 2015 , 14, 66-72	27	251
15	Coordination Assembly of Discoid Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 9094-9098	3.6	3
14	Coordination Assembly of Discoid Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8966-70	16.4	21
13	Innentitelbild: Coordination Assembly of Discoid Nanoparticles (Angew. Chem. 31/2015). <i>Angewandte Chemie</i> , 2015 , 127, 8976-8976	3.6	
12	Anomalous dispersions of hedgehog particles. <i>Nature</i> , 2015 , 517, 596-9	50.4	87
11	Nanoparticle self-assembly: A loop of two rods. <i>Nature Materials</i> , 2014 , 13, 228-9	27	7
10	Simultaneously high stiffness and damping in nanoengineered microtruss composites. <i>ACS Nano</i> , 2014 , 8, 3468-75	16.7	35
9	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	2.9	3
8	Stretchable nanoparticle conductors with self-organized conductive pathways. <i>Nature</i> , 2013 , 500, 59-63	50.4	613
7	Chiral plasmonic nanostructures on achiral nanopillars. <i>Nano Letters</i> , 2013 , 13, 5277-83	11.5	107
6	Hybrid Multilayer Films Containing Nano-Objects 2011 , 933-960		
5	Spontaneous self-organization enables dielectrophoresis of small nanoparticles and formation of photoconductive microbridges. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10688-91	16.4	16
4	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	9.6	18
3	Modulating the pattern quality of micropatterned multilayer films prepared by layer-by-layer self-assembly. <i>Langmuir</i> , 2006 , 22, 1356-64	4	39
2	Effect of Interfacial Adhesion on the Mechanical Properties of Organic/Inorganic Hybrid Nanolaminates 2006 , 82, 447-468		9
1	Charge-Transfer Effects of Organic Ligands on Energy Storage Performance of Oxide Nanoparticle-Based Electrodes. <i>Advanced Functional Materials</i> , 2106438	15.6	3