Yun Hyeok Kim

List of Publications by Year
in descending order

19	426	758635 12	794141 19
papers	citations	h-index	g-index

19	19	19	593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible Hard Coating: Glassâ€Like Wear Resistant, Yet Plasticâ€Like Compliant, Transparent Protective Coating for Foldable Displays. Advanced Materials, 2017, 29, 1700205.	11.1	107
2	Thermally Stable Siloxane Hybrid Matrix with Low Dielectric Loss for Copper-Clad Laminates for High-Frequency Applications. ACS Applied Materials & Interfaces, 2016, 8, 8335-8340.	4.0	51
3	Photo-Patternable Quantum Dots/Siloxane Composite with Long-Term Stability for Quantum Dot Color Filters. ACS Applied Materials & Interfaces, 2020, 12, 3961-3968.	4.0	34
4	Conducting Nanopaper: A Carbon-Free Cathode Platform for Liâ€“O₂ Batteries. ACS Energy Letters, 2017, 2, 673-680.	8.8	30
5	High-Performance and Simply-Synthesized Ladder-Like Structured Methacrylate Siloxane Hybrid Material for Flexible Hard Coating. Polymers, 2018, 10, 449.	2.0	28
6	Hierarchically Surfaceâ€Textured Ultrastable Hybrid Film for Largeâ€Scale Triboelectric Nanogenerators. Advanced Functional Materials, 2020, 30, 2005610.	7.8	28
7	Two-Step-Enhanced Stability of Quantum Dots via Silica and Siloxane Encapsulation for the Long-Term Operation of Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 22801-22808.	4.0	25
8	Highly Conducting In₂O₃ Nanowire Network with Passivating ZrO₂ Thin Film for Solutionâ€Processed Field Effect Transistors. Advanced Electronic Materials, 2016, 2, 1600218.	2.6	21
9	A highly adhesive siloxane LED encapsulant optimized for high thermal stability and optical efficiency. Journal of Materials Chemistry C, 2016, 4, 10791-10796.	2.7	16
10	Elongation improvement of transparent and flexible surface protective coating using polydimethylsiloxane-anchored epoxy-functionalized siloxane hybrid composite for reliable out-foldable displays. Composites Part B: Engineering, 2021, 225, 109313.	5.9	16
11	17â€2: Invited Paper: Flexible Hard Coating (Flex9H Â®) for Foldable Display Cover Plastic Film. Digest of Technical Papers SID International Symposium, 2017, 48, 215-217.	0.1	15
12	Self-Powered Flexible Full-Color Display via Dielectric-Tuned Hybrimer Triboelectric Nanogenerators. ACS Energy Letters, 2021, 6, 4097-4107.	8.8	15
13	Facile preparation of wear-resistant and anti-fingerprint hard coating with chemisorption of fluorosilane by simple wet coating. Journal of Sol-Gel Science and Technology, 2020, 95, 447-455.	1.1	11
14	Flexible but Mechanically Robust Hazy Quantum Dot/Glass Fiber Reinforced Film for Efficiently Luminescent Surface Light Source. Advanced Optical Materials, 2020, 8, 1902178.	3.6	9
15	Solâ€“gel synthesized siloxane hybrid materials for display and optoelectronic applications. Journal of Sol-Gel Science and Technology, 2023, 107, 32-45.	1.1	9
16	Flexible Coatings: Flexible Hard Coating: Glassâ€Like Wear Resistant, Yet Plasticâ€Like Compliant, Transparent Protective Coating for Foldable Displays (Adv. Mater. 19/2017). Advanced Materials, 2017, 29, .	11.1	5
17	Mechanically improved sol-gel derived methacrylate-siloxane hybrid materials with urethane linkage. Journal of Sol-Gel Science and Technology, 2019, 89, 111-119.	1.1	3
18	Long-Term Stable Microlens Array-Integrated Quantum Dot/Siloxane Film for Thin White Backlight Units. ACS Applied Nano Materials, 2020, 3, 10261-10269.	2.4	2

#	Article	IF	Citations
19	Siloxane Hybrid Materials: Hierarchically Surfaceâ€Textured Ultrastable Hybrid Film for Largeâ€Scale Triboelectric Nanogenerators (Adv. Funct. Mater. 49/2020). Advanced Functional Materials, 2020, 30, 2070327.	7.8	1