

Yun Hyeok Kim

List of Publications by Year in descending order

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papers

426
citations

759233

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docs citations

19
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	Sol-gel synthesized siloxane hybrid materials for display and optoelectronic applications. Journal of Sol-Gel Science and Technology, 2023, 107, 32-45.	2.4	9
2	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.	12.0	16
3	Self-Powered Flexible Full-Color Display via Dielectric-Tuned Hybrimer Triboelectric Nanogenerators. ACS Energy Letters, 2021, 6, 4097-4107.	17.4	15
4	Photo-Patternable Quantum Dots/Siloxane Composite with Long-Term Stability for Quantum Dot Color Filters. ACS Applied Materials & Interfaces, 2020, 12, 3961-3968.	8.0	34
5	Siloxane Hybrid Materials: Hierarchically Surface-Textured Ultrastable Hybrid Film for Large-Scale Triboelectric Nanogenerators (Adv. Funct. Mater. 49/2020). Advanced Functional Materials, 2020, 30, 2070327.	14.9	1
6	Long-Term Stable Microlens Array-Integrated Quantum Dot/Siloxane Film for Thin White Backlight Units. ACS Applied Nano Materials, 2020, 3, 10261-10269.	5.0	2
7	Hierarchically Surface-Textured Ultrastable Hybrid Film for Large-Scale Triboelectric Nanogenerators. Advanced Functional Materials, 2020, 30, 2005610.	14.9	28
8	Flexible but Mechanically Robust Hazy Quantum Dot/Glass Fiber Reinforced Film for Efficiently Luminescent Surface Light Source. Advanced Optical Materials, 2020, 8, 1902178.	7.3	9
9	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.	2.4	11
10	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.	8.0	25
11	Mechanically improved sol-gel derived methacrylate-siloxane hybrid materials with urethane linkage. Journal of Sol-Gel Science and Technology, 2019, 89, 111-119.	2.4	3
12	High-Performance and Simply-Synthesized Ladder-Like Structured Methacrylate Siloxane Hybrid Material for Flexible Hard Coating. Polymers, 2018, 10, 449.	4.5	28
13	Conducting Nanopaper: A Carbon-Free Cathode Platform for Li-O ₂ Batteries. ACS Energy Letters, 2017, 2, 673-680.	17.4	30
14	Flexible Coatings: Flexible Hard Coating: Glass-Like Wear Resistant, Yet Plastic-Like Compliant, Transparent Protective Coating for Foldable Displays (Adv. Mater. 19/2017). Advanced Materials, 2017, 29, .	21.0	5
15	Invited Paper: Flexible Hard Coating (Flex9H [®]) for Foldable Display Cover Plastic Film. Digest of Technical Papers SID International Symposium, 2017, 48, 215-217.	0.3	15
16	Flexible Hard Coating: Glass-Like Wear Resistant, Yet Plastic-Like Compliant, Transparent Protective Coating for Foldable Displays. Advanced Materials, 2017, 29, 1700205.	21.0	107
17	Highly Conducting In ₂ O ₃ Nanowire Network with Passivating ZrO ₂ Thin Film for Solution-Processed Field Effect Transistors. Advanced Electronic Materials, 2016, 2, 1600218.	5.1	21
18	A highly adhesive siloxane LED encapsulant optimized for high thermal stability and optical efficiency. Journal of Materials Chemistry C, 2016, 4, 10791-10796.	5.5	16

#	ARTICLE	IF	CITATIONS
19	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.	8.0	51