Jong-Gun Lee

List of Publications by Year in descending order

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IONC-CUN LEE

#	Article	IF	CITATIONS
1	Electrostatically crosslinked cellulose nanocrystal and polyelectrolyte complex sponges with pH responsiveness. Carbohydrate Polymers, 2021, 266, 118131.	10.2	7
2	Supersonically sprayed clay, silica, and silica aerogel hybrid films as thermal and electrical barriers. Ceramics International, 2018, 44, 12934-12939.	4.8	6
3	Effect of supersonic spraying impact velocity on opto-electric properties of transparent conducting flexible films consisting of silver nanowire, ITO, and polyimide multilayers. Journal of Alloys and Compounds, 2018, 739, 653-659.	5.5	7
4	Nano-textured surfaces using hybrid micro- and nano-materials for efficient water cooling. International Journal of Heat and Mass Transfer, 2018, 123, 1120-1127.	4.8	8
5	Supersonically sprayed nanotextured surfaces with silver nanowires for enhanced pool boiling. International Journal of Heat and Mass Transfer, 2018, 123, 397-406.	4.8	33
6	Additive-free electrode fabrication with reduced graphene oxide using supersonic kinetic spray for flexible lithium-ion batteries. Carbon, 2018, 139, 195-204.	10.3	19
7	Supersonically spray-coated copper meshes as textured surfaces for pool boiling. International Journal of Thermal Sciences, 2018, 132, 26-33.	4.9	32
8	Stable High-Capacity Lithium Ion Battery Anodes Produced by Supersonic Spray Deposition of Hematite Nanoparticles and Self-Healing Reduced Graphene Oxide. Electrochimica Acta, 2017, 228, 604-610.	5.2	33
9	Highly flexible, stretchable, patternable, transparent copper fiber heater on a complex 3D surface. NPG Asia Materials, 2017, 9, e347-e347.	7.9	113
10	A comprehensive review on wettability, desalination, and purification using graphene-based materials at water interfaces. Catalysis Today, 2017, 295, 14-25.	4.4	55
11	Supersonic cold spraying of titania nanoparticles on reduced graphene oxide for lithium ion battery anodes. Journal of Alloys and Compounds, 2017, 715, 161-169.	5.5	16
12	Effects of impact conditions on the electrical and mechanical properties of supersonic cold sprayed Cu–Ni electrodes. Journal of Alloys and Compounds, 2017, 695, 3714-3721.	5.5	9
13	Supersonically sprayed, triangular copper lines for pool boiling enhancement. International Journal of Heat and Mass Transfer, 2017, 113, 210-216.	4.8	15
14	Supersonically Spray-Coated Colloidal Quantum Dot Ink Solar Cells. Scientific Reports, 2017, 7, 622.	3.3	51
15	Supersonically Sprayed Copper–Nickel Microparticles as Flexible and Printable Thinâ€Film Highâ€Temperature Heaters. Advanced Materials Interfaces, 2017, 4, 1700075.	3.7	24
16	Highly flexible, stretchable, wearable, patternable and transparent heaters on complex 3D surfaces formed from supersonically sprayed silver nanowires. Journal of Materials Chemistry A, 2017, 5, 6677-6685.	10.3	109
17	Tuning crystalline structure of zeolitic metal–organic frameworks by supersonic spraying of precursor nanoparticle suspensions. Materials and Design, 2017, 114, 416-423.	7.0	4
18	Self-Cleaning Anticondensing Glass via Supersonic Spraying of Silver Nanowires, Silica, and Polystyrene Nanoparticles. ACS Applied Materials & amp; Interfaces, 2017, 9, 35325-35332.	8.0	29

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19	Supersonically blown reduced graphene oxide loaded Fe–Fe3C nanofibers for lithium ion battery anodes. Journal of Alloys and Compounds, 2017, 726, 114-120.	5.5	30
20	Supersonically sprayed gas- and water-sensing MIL-100(Fe) films. Journal of Alloys and Compounds, 2017, 722, 996-1001.	5.5	21
21	Production of Flexible Transparent Conducting Films of Selfâ€Fused Nanowires via Oneâ€Step Supersonic Spraying. Advanced Functional Materials, 2017, 27, 1602548.	14.9	54
22	Rapid supersonic spraying of Cu(In,Ga)(S,Se)2 nanoparticles to fabricate a solar cell with 5.49% conversion efficiency. Acta Materialia, 2017, 123, 44-54.	7.9	14
23	Influence of Particle Velocity of Copper on Emitter Contact by Cold-Spray Method. Journal of Thermal Spray Technology, 2016, 25, 465-472.	3.1	5
24	Electrically Insulative Performances of Ceramic and Clay Films Deposited via Supersonic Spraying. Journal of Thermal Spray Technology, 2016, 25, 763-769.	3.1	12
25	Efficient heat removal via thorny devil nanofiber, silver nanowire, and graphene nanotextured surfaces. International Journal of Heat and Mass Transfer, 2016, 101, 198-204.	4.8	9
26	Supersonically sprayed reduced graphene oxide film to enhance critical heat flux in pool boiling. International Journal of Heat and Mass Transfer, 2016, 98, 124-130.	4.8	57
27	Supersonic cold spraying for zeolitic metal–organic framework films. Chemical Engineering Journal, 2016, 295, 49-56.	12.7	36
28	Supersonically sprayed thermal barrier layers using clay micro-particles. Applied Clay Science, 2016, 120, 142-146.	5.2	10
29	Robust Mechanical Properties of Electrically Insulative Alumina Films by Supersonic Aerosol Deposition. Journal of Thermal Spray Technology, 2015, 24, 1046-1051.	3.1	11
30	Thin film metallization by supersonic spraying of copper and nickel nanoparticles on a silicon substrate. Computational Materials Science, 2015, 108, 114-120.	3.0	20
31	Nickel–copper hybrid electrodes self-adhered onto a silicon wafer by supersonic cold-spray. Acta Materialia, 2015, 93, 156-163.	7.9	34
32	Thin-film metallization of CulnGaSe2 nanoparticles by supersonic kinetic spraying. Computational Materials Science, 2015, 101, 66-76.	3.0	14
33	Self-cleaning superhydrophobic films by supersonic-spraying polytetrafluoroethylene–titania nanoparticles. Journal of Materials Chemistry A, 2015, 3, 3975-3983.	10.3	45
34	Supersonically blown nylon-6 nanofibers entangled with graphene flakes for water purification. Nanoscale, 2015, 7, 19027-19035.	5.6	38
35	Graphene–Titania Hybrid Photoanodes by Supersonic Kinetic Spraying for Solar Water Splitting. Journal of the American Ceramic Society, 2014, 97, 3660-3668.	3.8	11
36	Graphene–titania films by supersonic kinetic spraying for enhanced performance of dye-sensitized solar cells. Ceramics International, 2014, 40, 11089-11097.	4.8	37

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#	ARTICLE	IF	CITATIONS
37	Superhydrophobic surface decorated with vertical ZnO nanorods modified by stearic acid. Ceramics International, 2014, 40, 7151-7160.	4.8	126
38	Selfâ€Healing Reduced Graphene Oxide Films by Supersonic Kinetic Spraying. Advanced Functional Materials, 2014, 24, 4986-4995.	14.9	151
39	Supersonic aerosol-deposited TiO ₂ photoelectrodes for photoelectrochemical solar water splitting. RSC Advances, 2014, 4, 8661-8670.	3.6	24
40	Cold Spray Deposition of Copper Electrodes on Silicon and Glass Substrates. Journal of Thermal Spray Technology, 2013, 22, 1092-1102.	3.1	59
41	Wettability and photocatalysis of CF4 plasma etched titania films of honeycomb structure. Ceramics International, 2013, 39, 9737-9742.	4.8	5
42	Thermally Induced Superhydrophilicity in TiO ₂ Films Prepared by Supersonic Aerosol Deposition. ACS Applied Materials & Interfaces, 2013, 5, 6155-6160.	8.0	49
43	Superhydrophilic Transparent Titania Films by Supersonic Aerosol Deposition. Journal of the American Ceramic Society, 2013, 96, 1596-1601.	3.8	31
44	Tuning Hydrophobicity with Honeycomb Surface Structure and Hydrophilicity with <scp><scp>CF</scp></scp> ₄ Plasma Etching for Aerosolâ€Deposited Titania Films. Journal of the American Ceramic Society, 2012, 95, 3955-3961.	3.8	16
45	Antibacterial and Water Purification Activities of Self-Assembled Honeycomb Structure of Aerosol Deposited Titania Film. Environmental Science & Technology, 2012, 46, 12510-12518.	10.0	36