

Jong-Gun Lee

List of Publications by Year in descending order

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45
papers

1,525
citations

279487

23
h-index

315357

38
g-index

45
all docs

45
docs citations

45
times ranked

1901
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Healing Reduced Graphene Oxide Films by Supersonic Kinetic Spraying. <i>Advanced Functional Materials</i> , 2014, 24, 4986-4995.	7.8	151
2	Superhydrophobic surface decorated with vertical ZnO nanorods modified by stearic acid. <i>Ceramics International</i> , 2014, 40, 7151-7160.	2.3	126
3	Highly flexible, stretchable, patternable, transparent copper fiber heater on a complex 3D surface. <i>NPG Asia Materials</i> , 2017, 9, e347-e347.	3.8	113
4	Highly flexible, stretchable, wearable, patternable and transparent heaters on complex 3D surfaces formed from supersonically sprayed silver nanowires. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6677-6685.	5.2	109
5	Cold Spray Deposition of Copper Electrodes on Silicon and Glass Substrates. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 1092-1102.	1.6	59
6	Supersonically sprayed reduced graphene oxide film to enhance critical heat flux in pool boiling. <i>International Journal of Heat and Mass Transfer</i> , 2016, 98, 124-130.	2.5	57
7	A comprehensive review on wettability, desalination, and purification using graphene-based materials at water interfaces. <i>Catalysis Today</i> , 2017, 295, 14-25.	2.2	55
8	Production of Flexible Transparent Conducting Films of Self-Fused Nanowires via One-Step Supersonic Spraying. <i>Advanced Functional Materials</i> , 2017, 27, 1602548.	7.8	54
9	Supersonically Spray-Coated Colloidal Quantum Dot Ink Solar Cells. <i>Scientific Reports</i> , 2017, 7, 622.	1.6	51
10	Thermally Induced Superhydrophilicity in TiO ₂ Films Prepared by Supersonic Aerosol Deposition. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6155-6160.	4.0	49
11	Self-cleaning superhydrophobic films by supersonic-spraying polytetrafluoroethylene-titania nanoparticles. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3975-3983.	5.2	45
12	Supersonically blown nylon-6 nanofibers entangled with graphene flakes for water purification. <i>Nanoscale</i> , 2015, 7, 19027-19035.	2.8	38
13	Graphene-titania films by supersonic kinetic spraying for enhanced performance of dye-sensitized solar cells. <i>Ceramics International</i> , 2014, 40, 11089-11097.	2.3	37
14	Antibacterial and Water Purification Activities of Self-Assembled Honeycomb Structure of Aerosol Deposited Titania Film. <i>Environmental Science & Technology</i> , 2012, 46, 12510-12518.	4.6	36
15	Supersonic cold spraying for zeolitic metal-organic framework films. <i>Chemical Engineering Journal</i> , 2016, 295, 49-56.	6.6	36
16	Nickel-copper hybrid electrodes self-adhered onto a silicon wafer by supersonic cold-spray. <i>Acta Materialia</i> , 2015, 93, 156-163.	3.8	34
17	Stable High-Capacity Lithium Ion Battery Anodes Produced by Supersonic Spray Deposition of Hematite Nanoparticles and Self-Healing Reduced Graphene Oxide. <i>Electrochimica Acta</i> , 2017, 228, 604-610.	2.6	33
18	Supersonically sprayed nanotextured surfaces with silver nanowires for enhanced pool boiling. <i>International Journal of Heat and Mass Transfer</i> , 2018, 123, 397-406.	2.5	33

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19	Supersonically spray-coated copper meshes as textured surfaces for pool boiling. <i>International Journal of Thermal Sciences</i> , 2018, 132, 26-33.	2.6	32
20	Superhydrophilic Transparent Titania Films by Supersonic Aerosol Deposition. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1596-1601.	1.9	31
21	Supersonically blown reduced graphene oxide loaded Fe ₃ C nanofibers for lithium ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2017, 726, 114-120.	2.8	30
22	Self-Cleaning Anticondensing Glass via Supersonic Spraying of Silver Nanowires, Silica, and Polystyrene Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35325-35332.	4.0	29
23	Supersonic aerosol-deposited TiO ₂ photoelectrodes for photoelectrochemical solar water splitting. <i>RSC Advances</i> , 2014, 4, 8661-8670.	1.7	24
24	Supersonically Sprayed Copper-Nickel Microparticles as Flexible and Printable Thin-Film High-Temperature Heaters. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700075.	1.9	24
25	Supersonically sprayed gas- and water-sensing MIL-100(Fe) films. <i>Journal of Alloys and Compounds</i> , 2017, 722, 996-1001.	2.8	21
26	Thin film metallization by supersonic spraying of copper and nickel nanoparticles on a silicon substrate. <i>Computational Materials Science</i> , 2015, 108, 114-120.	1.4	20
27	Additive-free electrode fabrication with reduced graphene oxide using supersonic kinetic spray for flexible lithium-ion batteries. <i>Carbon</i> , 2018, 139, 195-204.	5.4	19
28	Tuning Hydrophobicity with Honeycomb Surface Structure and Hydrophilicity with CF_4 Plasma Etching for Aerosol-Deposited Titania Films. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3955-3961.	1.9	16
29	Supersonic cold spraying of titania nanoparticles on reduced graphene oxide for lithium ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2017, 715, 161-169.	2.8	16
30	Supersonically sprayed, triangular copper lines for pool boiling enhancement. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 210-216.	2.5	15
31	Thin-film metallization of CuInGaSe ₂ nanoparticles by supersonic kinetic spraying. <i>Computational Materials Science</i> , 2015, 101, 66-76.	1.4	14
32	Rapid supersonic spraying of Cu(In,Ga)(S,Se) ₂ nanoparticles to fabricate a solar cell with 5.49% conversion efficiency. <i>Acta Materialia</i> , 2017, 123, 44-54.	3.8	14
33	Electrically Insulative Performances of Ceramic and Clay Films Deposited via Supersonic Spraying. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 763-769.	1.6	12
34	Graphene-Titania Hybrid Photoanodes by Supersonic Kinetic Spraying for Solar Water Splitting. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3660-3668.	1.9	11
35	Robust Mechanical Properties of Electrically Insulative Alumina Films by Supersonic Aerosol Deposition. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 1046-1051.	1.6	11
36	Supersonically sprayed thermal barrier layers using clay micro-particles. <i>Applied Clay Science</i> , 2016, 120, 142-146.	2.6	10

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37	Efficient heat removal via thorny devil nanofiber, silver nanowire, and graphene nanotextured surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2016, 101, 198-204.	2.5	9
38	Effects of impact conditions on the electrical and mechanical properties of supersonic cold sprayed Cu-Ni electrodes. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3714-3721.	2.8	9
39	Nano-textured surfaces using hybrid micro- and nano-materials for efficient water cooling. <i>International Journal of Heat and Mass Transfer</i> , 2018, 123, 1120-1127.	2.5	8
40	Effect of supersonic spraying impact velocity on opto-electric properties of transparent conducting flexible films consisting of silver nanowire, ITO, and polyimide multilayers. <i>Journal of Alloys and Compounds</i> , 2018, 739, 653-659.	2.8	7
41	Electrostatically crosslinked cellulose nanocrystal and polyelectrolyte complex sponges with pH responsiveness. <i>Carbohydrate Polymers</i> , 2021, 266, 118131.	5.1	7
42	Supersonically sprayed clay, silica, and silica aerogel hybrid films as thermal and electrical barriers. <i>Ceramics International</i> , 2018, 44, 12934-12939.	2.3	6
43	Wettability and photocatalysis of CF ₄ plasma etched titania films of honeycomb structure. <i>Ceramics International</i> , 2013, 39, 9737-9742.	2.3	5
44	Influence of Particle Velocity of Copper on Emitter Contact by Cold-Spray Method. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 465-472.	1.6	5
45	Tuning crystalline structure of zeolitic metal-organic frameworks by supersonic spraying of precursor nanoparticle suspensions. <i>Materials and Design</i> , 2017, 114, 416-423.	3.3	4