

Sam S Yoon

List of Publications by Year in descending order

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188
papers

6,520
citations

57681

46
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107981

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all docs

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docs citations

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times ranked

8465
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable sensors and supercapacitors using electroplated-Ni/ZnO antibacterial fabric. <i>Journal of Materials Science and Technology</i> , 2022, 100, 254-264.	5.6	18
2	Progress and potential of electrospinning-derived substrate-free and binder-free lithium-ion battery electrodes. <i>Chemical Engineering Journal</i> , 2022, 430, 132876.	6.6	53
3	Iron oxide supercapacitor of high volumetric energy and power density using binder-free supersonic spraying and self-healing rGO. <i>Ceramics International</i> , 2022, 48, 13684-13694.	2.3	10
4	Electrospun zinc-manganese bimetallic oxide carbon nanofibers as freestanding supercapacitor electrodes. <i>International Journal of Energy Research</i> , 2022, 46, 22100-22112.	2.2	7
5	Wearable fabric supercapacitors based on CNTs and polyhedral ZnO with a wide potential window. <i>International Journal of Energy Research</i> , 2022, 46, 8186-8200.	2.2	5
6	Wearable multifunctional soft sensor and contactless 3D scanner using supersonically sprayed silver nanowires, carbon nanotubes, zinc oxide, and PEDOT:PSS. <i>NPG Asia Materials</i> , 2022, 14, .	3.8	14
7	Pool boiling enhancement via nanotexturing and self-propelled swing motion for bubble shedding. <i>International Communications in Heat and Mass Transfer</i> , 2022, 133, 105934.	2.9	3
8	Review of recent progress in electrospinning-derived freestanding and binder-free electrodes for supercapacitors. <i>Coordination Chemistry Reviews</i> , 2022, 460, 214466.	9.5	58
9	Nanotextured Soft Electrothermo-Pneumatic Actuator for Constructing Lightweight, Integrated, and Untethered Soft Robotics. <i>Soft Robotics</i> , 2022, 9, 960-969.	4.6	8
10	Facile Preparation of Porous Carbon Flake-Supported Nickel Nanoplates as Effective Catalysts for Methanol Electrooxidation. <i>Catalysts</i> , 2022, 12, 556.	1.6	1
11	High-energy-density supercapacitors using supersonically sprayed water-based precursors comprising cobalt iron oxide and reduced graphene oxide nanosheets. <i>International Journal of Energy Research</i> , 2022, 46, 14305-14317.	2.2	6
12	Bimetallic zeolitic imidazolate framework-derived substrate-free anode with superior cyclability for high-capacity lithium-ion batteries. <i>Journal of Materials Science and Technology</i> , 2021, 67, 116-126.	5.6	31
13	Nickel ferrite beehive-like nanosheets for binder-free and high-energy-storage supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156929.	2.8	44
14	Wearable fabric supercapacitors using supersonically sprayed reduced graphene and tin oxide. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157902.	2.8	29
15	Reusable Filters Augmented with Heating Microfibers for Antibacterial and Antiviral Sterilization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 857-867.	4.0	23
16	Electrostatically Sprayed Nanostructured Electrodes for Energy Conversion and Storage Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2008181.	7.8	39
17	Supersonically Sprayed Washable, Wearable, Stretchable, Hydrophobic, and Antibacterial rGO/AgNW Fabric for Multifunctional Sensors and Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10013-10025.	4.0	70
18	Pool boiling enhancement using hierarchically structured ZnO nanowires grown via electrospraying and chemical bath deposition. <i>Applied Thermal Engineering</i> , 2021, 187, 116553.	3.0	17

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19	Review of recent progress in the supersonic cold-spraying technique with solid particles and liquid suspensions. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	8
20	Pool boiling enhancement by nanotextured surface of hierarchically structured electroplated Ni nanocones. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121203.	2.5	10
21	Self-Healing Structural Materials. <i>Polymers</i> , 2021, 13, 2297.	2.0	14
22	Reduced graphene oxide supersonically sprayed on wearable fabric and decorated with iron oxide for supercapacitor applications. <i>Journal of Materials Science and Technology</i> , 2021, 82, 47-56.	5.6	17
23	Reusable and durable electrostatic air filter based on hybrid metallized microfibers decorated with metal-organic framework nanocrystals. <i>Journal of Materials Science and Technology</i> , 2021, 85, 44-55.	5.6	11
24	Superhydrophobic antibacterial wearable metallized fabric as supercapacitor, multifunctional sensors, and heater. <i>Journal of Power Sources</i> , 2021, 506, 230142.	4.0	28
25	Bimetallic ZnFe ₂ O ₄ nanosheets prepared via electrodeposition as binder-free high-performance supercapacitor electrodes. <i>Applied Surface Science</i> , 2021, 559, 149951.	3.1	22
26	Flexible metallized carbon nanofibers decorated with two-dimensional NiGa ₂ S ₄ nanosheets as supercapacitor electrodes. <i>Chemical Engineering Journal</i> , 2021, 420, 130497.	6.6	25
27	Supersonically sprayed transparent flexible multifunctional composites for self-cleaning, anti-icing, anti-fogging, and anti-bacterial applications. <i>Composites Part B: Engineering</i> , 2021, 222, 109070.	5.9	49
28	Cotton fabric decorated with manganese oxide nanorods as a supercapacitive flexible electrode for wearable electronics. <i>Applied Surface Science</i> , 2021, 568, 150968.	3.1	9
29	Effect of heater wire configuration and nanotexturing on force generated by self-propelled bubble-driven propeller. <i>International Journal of Heat and Mass Transfer</i> , 2021, 184, 122274.	2.5	1
30	In vitro evaluation of Pt-coated electrospun nanofibers for endovascular coil embolization. <i>Acta Biomaterialia</i> , 2020, 101, 285-292.	4.1	2
31	Splash suppression during wafer wet cleaning through drop penetration across metal meshes and porous fiber mats. <i>Journal of Visualization</i> , 2020, 23, 269-285.	1.1	4
32	Efficient heat spreader using supersonically sprayed graphene and silver nanowire. <i>Applied Thermal Engineering</i> , 2020, 165, 114572.	3.0	20
33	Supersonic Cold Spraying for Energy and Environmental Applications: One-Step Scalable Coating Technology for Advanced Micro- and Nanotextured Materials. <i>Advanced Materials</i> , 2020, 32, e1905028.	11.1	67
34	Supersonically sprayed rGO/ZIF8 on nickel nanocone substrate for highly stable supercapacitor electrodes. <i>Electrochimica Acta</i> , 2020, 362, 137154.	2.6	20
35	Flexible heat-spreading and air-cooling films using nickel-electroplated nanotextured fibers. <i>Chemical Engineering Science</i> , 2020, 227, 115951.	1.9	7
36	Theoretical model of swirling thick film flow inside converging nozzles of various geometries. <i>Fuel</i> , 2020, 280, 118215.	3.4	10

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37	Performance Enhancement of Soft Nanotextured Thermopneumatic Actuator by Incorporating Silver Nanowires into Elastomer Body. <i>Soft Robotics</i> , 2020, 8, 711-719.	4.6	3
38	Sustainable Nanotextured Wave Energy Harvester Based on Ferroelectric Fatigue-Free and Flexoelectricity-Enhanced Piezoelectric P(VDF-TrFE) Nanofibers with BaSrTiO ₃ Nanoparticles. <i>Advanced Functional Materials</i> , 2020, 30, 2001150.	7.8	47
39	Transparent Metallized Microfibers as Recyclable Electrostatic Air Filters with Ionization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25266-25275.	4.0	22
40	Supersonically sprayed carbon nanotubes and silver nanowires as efficient heat spreaders and cooling films. <i>Journal of Applied Physics</i> , 2020, 127, 105105.	1.1	5
41	Supersonically sprayed Zn ₂ SnO ₄ /SnO ₂ /carbon nanotube films for high-efficiency water splitting photoanodes. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154374.	2.8	14
42	Transparent Body-Attachable Multifunctional Pressure, Thermal, and Proximity Sensor and Heater. <i>Scientific Reports</i> , 2020, 10, 2701.	1.6	28
43	ZnO/MnO Nanoflowers for High-Performance Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3697-3708.	3.2	106
44	Morphology engineering of photoelectrodes for efficient photoelectrochemical water splitting. <i>Nano Energy</i> , 2020, 72, 104648.	8.2	92
45	Electrosprayed MnO ₂ on ZnO nanorods with atomic layer deposited TiO ₂ layer for photoelectrocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118928.	10.8	55
46	Supersonically sprayed Fe ₂ O ₃ /C/CNT composites for highly stable Li-ion battery anodes. <i>Chemical Engineering Journal</i> , 2020, 395, 125018.	6.6	55
47	Dodecahedral ZnO/C framework on reduced graphene oxide sheets for high-performance Li-ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155208.	2.8	24
48	Supersonically Sprayed Zn ₂ SnO ₄ /SnO ₂ /CNT Nanocomposites for High-Performance Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14031-14040.	3.2	83
49	Electrostatic Transparent Air Filter Membranes Composed of Metallized Microfibers for Particulate Removal. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26323-26332.	4.0	39
50	Wearable, Stretchable, Transparent All-in-One Soft Sensor Formed from Supersonically Sprayed Silver Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40232-40242.	4.0	62
51	Highly flexible transparent substrate-free photoanodes using ZnO nanowires on nickel microfibers. <i>Chemical Engineering Journal</i> , 2019, 363, 13-22.	6.6	16
52	Theoretical model for swirling thin film flows inside nozzles with converging-diverging shapes. <i>Applied Mathematical Modelling</i> , 2019, 76, 607-616.	2.2	6
53	Supersonically sprayed iron oxide nanoparticles with atomic-layer-deposited ZnO/TiO ₂ layers for solar water splitting. <i>Journal of Alloys and Compounds</i> , 2019, 798, 35-44.	2.8	34
54	Macroscopic Observations of Physicochemical Aspects of Self-Healing Phenomena. <i>Advanced Structured Materials</i> , 2019, , 37-74.	0.3	0

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55	Effect of electrostatic spray deposited nafion coating on non-lithiated LiV3O8 cathode in lithium-metal rechargeable batteries. <i>Solid State Ionics</i> , 2019, 331, 66-73.	1.3	5
56	Highly transparent, conducting, body-attachable metallized fibers as a flexible and stretchable film. <i>Journal of Alloys and Compounds</i> , 2019, 790, 1127-1136.	2.8	19
57	Hierarchical zeolitic imidazolate framework-derived manganese-doped zinc oxide decorated carbon nanofiber electrodes for high performance flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 371, 657-665.	6.6	79
58	Self-Healing Nanotextured Vascular Engineering Materials. <i>Advanced Structured Materials</i> , 2019, , .	0.3	22
59	Electrosprayed graphene films decorated with bimetallic (zinc-iron) oxide for lithium-ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2019, 782, 699-708.	2.8	21
60	Eco-friendly lignin nanofiber mat for protection of wood against attacks by environmentally hazardous fungi. <i>Polymer Testing</i> , 2019, 74, 113-118.	2.3	9
61	Deflagration-to-detonation transition in pipes: The analytical theory. <i>Applied Mathematical Modelling</i> , 2019, 66, 332-343.	2.2	10
62	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
63	Zeolitic imidazolate framework-7 textile-derived nanocomposite fibers as freestanding supercapacitor electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 239-247.	1.9	34
64	Advances in self-healing materials based on vascular networks with mechanical self-repair characteristics. <i>Advances in Colloid and Interface Science</i> , 2018, 252, 21-37.	7.0	84
65	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
66	Electrosprayed graphene decorated with ZnO nanoparticles for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 741, 781-791.	2.8	24
67	Dye degradation studies of Mo-doped TiO ₂ thin films developed by reactive sputtering. <i>Surface and Interface Analysis</i> , 2018, 50, 171-179.	0.8	12
68	Atomic-layer-deposited TiO ₂ -SnZnO/carbon nanofiber composite as a highly stable, flexible and freestanding anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 338, 72-81.	6.6	24
69	Ni-core CuO-shell fibers produced by electrospinning and electroplating as efficient photocathode materials for solar water splitting. <i>Nanoscale</i> , 2018, 10, 9720-9728.	2.8	22
70	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
71	Packing of metalized polymer nanofibers for aneurysm embolization. <i>Nanoscale</i> , 2018, 10, 6589-6601.	2.8	7
72	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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73	Electrosprayed BiVO ₄ nanopillars coated with atomic-layer-deposited ZnO/TiO ₂ as highly efficient photoanodes for solar water splitting. <i>Chemical Engineering Journal</i> , 2018, 333, 721-729.	6.6	63
74	Oxidation-resistant metallized nanofibers as transparent conducting films and heaters. <i>Acta Materialia</i> , 2018, 143, 174-180.	3.8	29
75	Wearable transparent thermal sensors and heaters based on metal-plated fibers and nanowires. <i>Nanoscale</i> , 2018, 10, 19825-19834.	2.8	40
76	Growth rate and oscillation frequency of electrified jet and droplet: Effects of charge and electric field. <i>Aerosol Science and Technology</i> , 2018, 52, 1070-1082.	1.5	2
77	Hierarchically designed ZIF-8-derived Ni@ZnO/carbon nanofiber freestanding composite for stable Li storage. <i>Chemical Engineering Journal</i> , 2018, 351, 127-134.	6.6	56
78	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
79	Supersonically spray-coated zinc ferrite/graphitic-carbon nitride composite as a stable high-capacity anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 768, 525-534.	2.8	22
80	Supersonically sprayed rGO [~] Zn ₂ SnO ₄ composites as flexible, binder-free, scalable, and high-capacity lithium ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2018, 766, 331-340.	2.8	30
81	Highly efficient electrodes for supercapacitors using silver-plated carbon nanofibers with enhanced mechanical flexibility and long-term stability. <i>Chemical Engineering Journal</i> , 2018, 353, 189-196.	6.6	46
82	Tuning the morphology of electrosprayed BiVO ₄ from nanopillars to nanoferns via pH control for solar water splitting. <i>Journal of Alloys and Compounds</i> , 2018, 769, 193-200.	2.8	26
83	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
84	Highly nanotextured Bi ₂ -Bi ₂ O ₃ pillars by electrostatic spray deposition as photoanodes for solar water splitting. <i>Journal of Alloys and Compounds</i> , 2018, 764, 881-889.	2.8	26
85	Zeolitic imidazolate framework-8 derived zinc oxide/ carbon nanofiber as freestanding electrodes for lithium storage in lithium-ion batteries. <i>Journal of Power Sources</i> , 2018, 395, 349-357.	4.0	49
86	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
87	Decoration of MnO Nanocrystals on Flexible Freestanding Carbon Nanofibers for Lithium Ion Battery Anodes. <i>Electrochimica Acta</i> , 2017, 231, 582-589.	2.6	53
88	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
89	Electrosprayed copper hexaaxodivanadate (CuV ₂ O ₆) and pyrovanadate (CuV ₂ O ₇) photoanodes for efficient solar water splitting. <i>Journal of Alloys and Compounds</i> , 2017, 708, 444-450.	2.8	56
90	Facile processes for producing robust, transparent, conductive platinum nanofiber mats. <i>Nanoscale</i> , 2017, 9, 6076-6084.	2.8	19

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91	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
92	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
93	Release of Self-Healing Agents in a Material: What Happens Next?. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17449-17455.	4.0	29
94	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
95	High-performance supercapacitors using flexible and freestanding MnOx/carbamide carbon nanofibers. <i>Applied Surface Science</i> , 2017, 423, 210-218.	3.1	26
96	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
97	Analytical and numerical assessments of local overpressure from hydrogen gas explosions in petrochemical plants. <i>Fire and Materials</i> , 2017, 41, 587-597.	0.9	6
98	Supersonically Spray-Coated Colloidal Quantum Dot Ink Solar Cells. <i>Scientific Reports</i> , 2017, 7, 622.	1.6	51
99	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
100	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
101	Prevention of mold invasion by eco-friendly lignin/polycaprolactone nanofiber membranes for amelioration of public hygiene. <i>Cellulose</i> , 2017, 24, 951-965.	2.4	11
102	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
103	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
104	Electrochemical CO ₂ Reduction at Glassy Carbon Electrodes Functionalized by Mn ^I and Re ^I Organometallic Complexes. <i>ChemPhysChem</i> , 2017, 18, 3219-3229.	1.0	54
105	Flexible and freestanding core-shell SnO ₂ /carbon nanofiber mats for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 728, 1362-1371.	2.8	29
106	Wetting and Coalescence of Drops of Self-Healing Agents on Electrospun Nanofiber Mats. <i>Langmuir</i> , 2017, 33, 10663-10672.	1.6	9
107	Self-Healing Nanotextured Vascular-like Materials: Mode I Crack Propagation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27223-27231.	4.0	23
108	Thermally driven self-healing using copper nanofiber heater. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	9

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109	Supersonically blown reduced graphene oxide loaded Fe ³⁺ /Fe ₃ C nanofibers for lithium ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2017, 726, 114-120.	2.8	30
110	Mo-doped BiVO ₄ nanotextured pillars as efficient photoanodes for solar water splitting. <i>Journal of Alloys and Compounds</i> , 2017, 726, 1138-1146.	2.8	23
111	Supersonically sprayed gas- and water-sensing MIL-100(Fe) films. <i>Journal of Alloys and Compounds</i> , 2017, 722, 996-1001.	2.8	21
112	Carbon nanofibers decorated with FeO nanoparticles as a flexible electrode material for symmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2017, 328, 776-784.	6.6	62
113	Silver-decorated and palladium-coated copper-electroplated fibers derived from electrospun polymer nanofibers. <i>Chemical Engineering Journal</i> , 2017, 327, 336-342.	6.6	30
114	Theoretical, numerical, and experimental investigation of pressure rise due to deflagration in confined spaces. <i>International Journal of Thermal Sciences</i> , 2017, 120, 469-480.	2.6	12
115	Bio-inspired, colorful, flexible, defrostable light-scattering hybrid films for the effective distribution of LED light. <i>Nanoscale</i> , 2017, 9, 9139-9147.	2.8	21
116	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
117	Nanotextured cupric oxide nanofibers coated with atomic layer deposited ZnO-TiO ₂ as highly efficient photocathodes. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 479-485.	10.8	41
118	Enhancement of critical heat flux and superheat through controlled wettability of cuprous-oxide fractal-like nanotextured surfaces in pool boiling. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 105-111.	2.5	48
119	Wetting of inclined nano-textured surfaces by self-healing agents. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	6
120	Self-Junctioned Copper Nanofiber Transparent Flexible Conducting Film via Electrospinning and Electroplating. <i>Advanced Materials</i> , 2016, 28, 7149-7154.	11.1	141
121	Freestanding fiber mats of zeolitic imidazolate framework 7 via one-step, scalable electrospinning. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	19
122	Nano-textured copper oxide nanofibers for efficient air cooling. <i>Journal of Applied Physics</i> , 2016, 119, 065306.	1.1	20
123	Effects of Current-injection Firing with Ag Paste in a Boron Emitter. <i>Scientific Reports</i> , 2016, 6, 21553.	1.6	10
124	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
125	Self-healing of nanofiber-based composites in the course of stretching. <i>Polymer</i> , 2016, 103, 180-188.	1.8	22
126	Fatigue of Self-Healing Nanofiber-based Composites: Static Test and Subcritical Crack Propagation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18462-18470.	4.0	40

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127	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
128	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
129	Scalable Binder-Free Supersonic Cold Spraying of Nanotextured Cupric Oxide (CuO) Films as Efficient Photocathodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15406-15414.	4.0	44
130	Efficient Water Purification by Photocatalysis and Rapid Adsorption of Dipâ€Coated Metal Foam with Nanostructured Bismuth Vanadate. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1023-1030.	1.9	5
131	Electrostatic spray deposition of transparent tungsten oxide thin-film photoanodes for solar water splitting. <i>Catalysis Today</i> , 2016, 260, 89-94.	2.2	50
132	Simplified method for estimating the effect of a hydrogen explosion on a nearby pipeline. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 40, 112-116.	1.7	11
133	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
134	Flexible, Freestanding, and Binder-free SnO ₂ /ZnO/Carbon Nanofiber Composites for Lithium Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9446-9453.	4.0	83
135	Solution-Blown Coreâ€Shell Self-Healing Nano- and Microfibers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4955-4962.	4.0	88
136	Weaving nanofibers by altering counter-electrode electrostatic signals. <i>Journal of Aerosol Science</i> , 2016, 95, 67-72.	1.8	7
137	Supersonic cold spraying for zeolitic metalâ€organic framework films. <i>Chemical Engineering Journal</i> , 2016, 295, 49-56.	6.6	36
138	Supersonically sprayed thermal barrier layers using clay micro-particles. <i>Applied Clay Science</i> , 2016, 120, 142-146.	2.6	10
139	Experimental and Numerical Simulations of Spray Impingement and Combustion Characteristics in Gasoline Direct Injection Engines under Variable Driving Conditions. <i>Flow, Turbulence and Combustion</i> , 2016, 96, 391-415.	1.4	15
140	Green approach for hierarchical nanostructured Ag-ZnO and their photocatalytic performance under sunlight. <i>Catalysis Today</i> , 2016, 260, 126-134.	2.2	229
141	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
142	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
143	Chemicalâ€Deposited Indium Oxide Microcubes for Solar Water Splitting. <i>ChemPhysChem</i> , 2015, 16, 3450-3457.	1.0	8
144	Nickelâ€copper hybrid electrodes self-adhered onto a silicon wafer by supersonic cold-spray. <i>Acta Materialia</i> , 2015, 93, 156-163.	3.8	34

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147	Graphene Quantum Dot Layers with Energy-Down-Shift Effect on Crystalline-Silicon Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19043-19049.	4.0	49
148	Thin-film metallization of CuInGaSe ₂ nanoparticles by supersonic kinetic spraying. <i>Computational Materials Science</i> , 2015, 101, 66-76.	1.4	14
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