

Sang Joon Lee

List of Publications by Year in descending order

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Version: 2024-02-01

338
papers

7,113
citations

66234

42
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133063

59
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340
all docs

340
docs citations

340
times ranked

7539
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoresponsive Al ³⁺ -crosslinked poly(N-isopropylacrylamide)/alginate composite for green recovery of lithium from Li-spiked seawater. <i>Green Energy and Environment</i> , 2022, 7, 334-344.	4.7	9
2	Ultrasound deep learning for monitoring of flow vessel dynamics in murine carotid artery. <i>Ultrasonics</i> , 2022, 120, 106636.	2.1	16
3	Rapid and selective adsorption of Li ⁺ from concentrated seawater using repulsive force of Al ³⁺ -crosslinked alginate composite incorporated with hydrogen manganese oxide. <i>Hydrometallurgy</i> , 2022, 208, 105812.	1.8	5
4	Double-insulated porous PDMS sponge for heat-localized solar evaporative seawater desalination. <i>Desalination</i> , 2022, 526, 115540.	4.0	18
5	Bioinspired Fatty Acid Amide-Based Slippery Oleogels for Shear-Stable Lubrication. <i>Advanced Science</i> , 2022, 9, e2105528.	5.6	12
6	Solar distillation meets the real world: a review of solar stills purifying real wastewater and seawater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 22860-22884.	2.7	15
7	Spectrochemical analysis of slippery loach skin and kelp using FTIR imaging. <i>Vibrational Spectroscopy</i> , 2022, 118, 103338.	1.2	3
8	A review on carbonized natural green flora for solar desalination. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112121.	8.2	40
9	Water transport in polymer electrolyte membrane fuel cell: Degradation effect of gas diffusion layer. <i>International Journal of Energy Research</i> , 2022, 46, 9058-9070.	2.2	11
10	Effective Icephobicity of Silicone Oil-Infused Oleamide-Polydimethylsiloxane with Enhanced Lubrication Lifetime. <i>ACS Omega</i> , 2022, 7, 21156-21162.	1.6	2
11	Developmental toxicity triggered by benzyl alcohol in the early stage of zebrafish embryos: Cardiovascular defects with inhibited liver formation and degenerated neurogenesis. <i>Science of the Total Environment</i> , 2021, 752, 141631.	3.9	10
12	Three-dimensional volumetric monitoring of settling particulate matters on a leaf using digital in-line holographic microscopy. <i>Journal of Hazardous Materials</i> , 2021, 404, 124116.	6.5	8
13	Adsorptive seawater desalination using MOF-incorporated Cu-alginate/PVA beads: Ion removal efficiency and durability. <i>Chemosphere</i> , 2021, 268, 128797.	4.2	18
14	Accurate real-time monitoring of high particulate matter concentration based on holographic speckles and deep learning. <i>Journal of Hazardous Materials</i> , 2021, 409, 124637.	6.5	11
15	Fluid-dynamic effect of pannus formation around the prosthetic heart valve: in vitro demonstration using a heart-mimic pulsatile pump and particle image velocimetry. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 209-220.	0.7	0
16	Enhanced air stability of superhydrophobic surfaces with flexible overhangs of re-entrant structures. <i>Physics of Fluids</i> , 2021, 33, .	1.6	16
17	Depletion of lubricant impregnated in a cavity of lubricant-infused surface. <i>Physics of Fluids</i> , 2021, 33, .	1.6	11
18	Pristine graphene and graphene oxide induce multi-organ defects in zebrafish (<i>Danio rerio</i>) larvae/juvenile: an in vivo study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34664-34675.	2.7	18

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19	Simultaneous solar-driven seawater desalination and spontaneous power generation using polyvalent crosslinked polypyrrole/alginate hydrogels. <i>Desalination</i> , 2021, 500, 114900.	4.0	45
20	Domino-like water transport on <i>Tillandsia</i> through flexible trichome wings. <i>New Phytologist</i> , 2021, 231, 1906-1922.	3.5	11
21	Solar Evaporation-Based Energy Harvesting Using a Leaf-Inspired Energy-Harvesting Foam. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5027-5037.	3.2	33
22	Air spread through a wetted deformable membrane: Implications for the mechanism of soft valves in plants. <i>Physical Review E</i> , 2021, 103, 062407.	0.8	5
23	Adsorption of nanoparticles suspended in a drop on a leaf surface of <i>Perilla frutescens</i> and their infiltration through stomatal pathway. <i>Scientific Reports</i> , 2021, 11, 11556.	1.6	24
24	Developmental toxicity induced by particulate matter (PM2.5) in zebrafish (<i>Danio rerio</i>) model. <i>Aquatic Toxicology</i> , 2021, 238, 105928.	1.9	14
25	Multifunctional biopolymer coatings inspired by loach skin. <i>Progress in Organic Coatings</i> , 2021, 158, 106383.	1.9	6
26	Volumetric monitoring of airborne particulate matter concentration using smartphone-based digital holographic microscopy and deep learning. <i>Journal of Hazardous Materials</i> , 2021, 418, 126351.	6.5	12
27	Effectual removal of indoor ultrafine PM using submicron water droplets. <i>Journal of Environmental Management</i> , 2021, 296, 113166.	3.8	4
28	Eco-friendly erucamide-polydimethylsiloxane coatings for marine anti-biofouling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 112003.	2.5	18
29	Enhanced air stability of ridged superhydrophobic surface with nanostructure. <i>AIP Advances</i> , 2021, 11, .	0.6	4
30	Foliar Uptake of the Potentially Toxic Elements in Garlic Chive Leaves. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	2
31	Effects of solar geometry and operation period on stability of solar desalination systems: a review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 65014-65032.	2.7	8
32	Shear-driven drainage of lubricant in a spherical cavity of lubricant-infused surface. <i>Physics of Fluids</i> , 2021, 33, .	1.6	5
33	Morphological features of mucous secretory organ and mucous secretion of loach <i>Misgurnus anguillicaudatus</i> skin for friction drag reduction. <i>Journal of Fish Biology</i> , 2020, 96, 83-91.	0.7	21
34	Investigation of water transport around the root for a plant using X-ray imaging technique. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 151, 107159.	2.5	4
35	Deep Learning-Based Super-resolution Ultrasound Speckle Tracking Velocimetry. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 598-609.	0.7	17
36	Flow induced stress on vulnerable stenosis in tandem stenosed vessels. <i>Physics of Fluids</i> , 2020, 32, 101904.	1.6	3

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37	Effect of water microdroplet size on the removal of indoor particulate matter. <i>Building and Environment</i> , 2020, 181, 107097.	3.0	7
38	A lubricant-infused slip surface for drag reduction. <i>Physics of Fluids</i> , 2020, 32, .	1.6	31
39	Anti-Biofouling Features of Eco-Friendly Oleamide- ϵ -PDMS Copolymers. <i>ACS Omega</i> , 2020, 5, 11515-11521.	1.6	17
40	Ultrasound Deep Learning for Wall Segmentation and Near-Wall Blood Flow Measurement. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 2022-2032.	1.7	9
41	Deep learning-based hologram generation using a white light source. <i>Scientific Reports</i> , 2020, 10, 8977.	1.6	17
42	Seawater Desalination Using MOF-Incorporated Cu-Based Alginate Beads without Energy Consumption. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16319-16326.	4.0	48
43	Efficient removal of indoor particulate matter using water microdroplets generated by a MHz-frequency ultrasonic atomizer. <i>Building and Environment</i> , 2020, 175, 106797.	3.0	21
44	Nano/Micro Natural Patterns of Hydrogels against Water Loss. <i>ACS Applied Bio Materials</i> , 2020, 3, 1293-1304.	2.3	2
45	Adaptive hybrid flow measurement of color Doppler and speckle image velocimetry. <i>Ultrasonics</i> , 2020, 104, 106093.	2.1	2
46	Effect of trichome structure of <i>Tillandsia usneoides</i> on deposition of particulate matter under flow conditions. <i>Journal of Hazardous Materials</i> , 2020, 393, 122401.	6.5	17
47	Herbul black henna (hair dye) causes cardiovascular defects in zebrafish (<i>Danio rerio</i>) embryo model. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14150-14159.	2.7	15
48	Wind tunnel tests on drag reduction of heavy vehicles using sinusoidal boat tails. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 201-208.	0.7	6
49	Effects of surface morphological structure of a brown alga miyeok (<i>Undaria pinnatifida</i>) on sustainable drag reduction. <i>AIP Advances</i> , 2020, 10, .	0.6	11
50	Flow induced deformation of vulnerable stenosis under pulsatile flow condition. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	2
51	Nanoscale element behavior in a continuum. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1033-1041.	1.0	0
52	Versatile Amorphous Structures of Phosphonate Metal-Organic Framework/Alginate Composite for Tunable Sieving of Ions. <i>Advanced Functional Materials</i> , 2019, 29, 1904016.	7.8	20
53	Effect of flow and humidity on indoor deposition of particulate matter. <i>Environmental Pollution</i> , 2019, 255, 113263.	3.7	29
54	Deep learning-based accurate and rapid tracking of 3D positional information of microparticles using digital holographic microscopy. <i>Experiments in Fluids</i> , 2019, 60, 1.	1.1	9

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55	Flapping dynamics of a flexible plate with Navier slip. <i>Physics of Fluids</i> , 2019, 31, .	1.6	21
56	Air spreading through wetted cellulose membranes: Implications for the safety function of hydraulic valves in plants. <i>Physical Review E</i> , 2019, 100, 032409.	0.8	10
57	Learning-based automatic sensing and size classification of microparticles using smartphone holographic microscopy. <i>Analyst, The</i> , 2019, 144, 1751-1760.	1.7	8
58	Effect of material stiffness on the motion and flow near the free end of a finite cylinder surface. <i>Experimental Thermal and Fluid Science</i> , 2019, 102, 548-558.	1.5	4
59	Penetration of a bubble through porous membranes with different wettabilities. <i>Soft Matter</i> , 2019, 15, 5819-5826.	1.2	11
60	Considerable drag reduction and fuel saving of a tractorâ€™trailer using additive aerodynamic devices. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 191, 54-62.	1.7	13
61	Superhydrophilicâ€™Superhydrophobic Water Harvester Inspired by Wetting Property of Cactus Stem. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10561-10569.	3.2	55
62	Graphene oxide induces cardiovascular defects in developing zebrafish (<i>Danio rerio</i>) embryo model: In-vivo toxicity assessment. <i>Science of the Total Environment</i> , 2019, 673, 810-820.	3.9	42
63	Advanced molecular interaction in Cu ²⁺ -alginate beads with high M/G ratio for the intercalation of Li ⁺ and Mg ²⁺ ions. <i>Journal of Molecular Structure</i> , 2019, 1187, 172-178.	1.8	4
64	Effects of pressure gradient on stability and drag reduction of superhydrophobic surfaces. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	23
65	Crossly charged microfluidic device for spontaneous filtration without an external power supply. <i>Analytical Biochemistry</i> , 2019, 577, 21-25.	1.1	0
66	Hydrodynamic Study on the â€™Stop-and-Accelerationâ€™Pattern of Refilling Flow at Perforation Plates by Using a Xylem-Inspired Channel. <i>Frontiers in Plant Science</i> , 2019, 9, 1931.	1.7	3
67	A novel approach to investigate hypoxic microenvironment during rice colonization by <i>Magnaporthe oryzae</i> . <i>Environmental Microbiology</i> , 2019, 21, 1151-1169.	1.8	8
68	Acoustically Excited Oscillating Bubble on a Flexible Structure and Its Energy-Harvesting Capability. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2019, 6, 531-537.	2.7	8
69	A nature-inspired lubricant-infused surface for sustainable drag reduction. <i>Soft Matter</i> , 2019, 15, 8459-8467.	1.2	62
70	Undulatory topographical waves for flow-induced foulant sweeping. <i>Science Advances</i> , 2019, 5, eaax8935.	4.7	17
71	Removal of fine particulate matter (PM _{2.5}) via atmospheric humidity caused by evapotranspiration. <i>Environmental Pollution</i> , 2019, 245, 253-259.	3.7	55
72	Accuracy evaluation of blood flow distribution in the Fontan circulation: effects of resolution and velocity noise. <i>Journal of Visualization</i> , 2019, 22, 245-257.	1.1	3

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73	Deep learning-based digital in-line holographic microscopy for high resolution with extended field of view. <i>Optics and Laser Technology</i> , 2019, 113, 77-86.	2.2	25
74	Flattenedâ€Top Domical Droplet Formed by a Poly(pyrrole) Membrane. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800707.	1.7	1
75	Selective lithium and magnesium adsorption by phosphonate metal-organic framework-incorporated alginate hydrogel inspired from lithium adsorption characteristics of brown algae. <i>Separation and Purification Technology</i> , 2019, 212, 611-618.	3.9	37
76	In vivo toxicity evaluation of pristine graphene in developing zebrafish (<i>Danio rerio</i>) embryos. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12821-12829.	2.7	27
77	Fast and Efficient Water Absorption Material Inspired by Cactus Root. <i>ACS Macro Letters</i> , 2018, 7, 387-394.	2.3	16
78	Machine learningâ€based inâ€line holographic sensing of unstained malariaâ€infected red blood cells. <i>Journal of Biophotonics</i> , 2018, 11, e201800101.	1.1	47
79	Effects of oil-film layer and surfactant on the siphonal respiration and survivorship in the fourth instar larvae of <i>Aedes togoi</i> mosquito in laboratory conditions. <i>Scientific Reports</i> , 2018, 8, 5694.	1.6	14
80	<i>In vitro</i> and <i>ex vivo</i> measurement of the biophysical properties of blood using microfluidic platforms and animal models. <i>Analyst</i> , 2018, 143, 2723-2749.	1.7	33
81	Enhancement of measurement accuracy of X-ray PIV in comparison with the micro-PIV technique. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 552-559.	1.0	2
82	Flow characteristics around a deformable stenosis under pulsatile flow condition. <i>Physics of Fluids</i> , 2018, 30, 011902.	1.6	23
83	Quantitative Analysis of Helical Flow with Accuracy Using Ultrasound Speckle Image Velocimetry: In Vitro and in Vivo Feasibility Studies. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 657-669.	0.7	7
84	Digital stereo-holographic microscopy for studying three-dimensional particle dynamics. <i>Optics and Lasers in Engineering</i> , 2018, 105, 6-13.	2.0	12
85	Label-free sensor for automatic identification of erythrocytes using digital in-line holographic microscopy and machine learning. <i>Biosensors and Bioelectronics</i> , 2018, 103, 12-18.	5.3	27
86	Enhancement of plant leaf transpiration with effective use of surface acoustic waves: effect of wave frequency. <i>RSC Advances</i> , 2018, 8, 15141-15148.	1.7	2
87	Three-dimensional rotational dynamics of prolate particles in a circular tube. <i>Experiments in Fluids</i> , 2018, 59, 1.	1.1	2
88	The Relationship between Turgor Pressure Change and Cell Hydraulics of Midrib Parenchyma Cells in the Leaves of <i>Zea mays</i> . <i>Cells</i> , 2018, 7, 180.	1.8	7
89	Effect of pannus formation on the prosthetic heart valve: In vitro demonstration using particle image velocimetry. <i>PLoS ONE</i> , 2018, 13, e0199792.	1.1	13
90	Pristine graphene induces cardiovascular defects in zebrafish (<i>Danio rerio</i>) embryogenesis. <i>Environmental Pollution</i> , 2018, 243, 246-254.	3.7	36

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91	Comparison of flow structures behind rigid and flexible finite cylinders. <i>International Journal of Mechanical Sciences</i> , 2018, 142-143, 480-490.	3.6	16
92	Measurement of pressure around porous membranes using a cell pressure probe. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 128, 214-219.	2.5	1
93	Hydraulic Strategy of Cactus Root's Stem Junction for Effective Water Transport. <i>Frontiers in Plant Science</i> , 2018, 9, 799.	1.7	12
94	Optimal Design of Needle Array for Effective Drug Delivery. <i>Annals of Biomedical Engineering</i> , 2018, 46, 2012-2022.	1.3	3
95	Endothelial cell monolayer-based microfluidic systems mimicking complex in vivo microenvironments for the study of leukocyte dynamics in inflamed blood vessels. <i>Methods in Cell Biology</i> , 2018, 146, 23-42.	0.5	3
96	Pressure-driven spontaneous ion concentration polarization using an ion-selective membrane. <i>Analytical Biochemistry</i> , 2018, 557, 13-17.	1.1	5
97	Focusing and alignment of erythrocytes in a viscoelastic medium. <i>Scientific Reports</i> , 2017, 7, 41162.	1.6	18
98	Variation in wall shear stress in channel networks of zebrafish models. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160900.	1.5	13
99	Salient drag reduction of a heavy vehicle using modified cab-roof fairings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 164, 138-151.	1.7	35
100	Synchrotron x-ray imaging of acoustic cavitation bubbles induced by acoustic excitation. <i>Measurement Science and Technology</i> , 2017, 28, 045301.	1.4	2
101	Floating of the lobes of mosquito (<i>Aedes togoi</i>) larva for respiration. <i>Scientific Reports</i> , 2017, 7, 43050.	1.6	16
102	Pine cone scale-inspired motile origami. <i>NPG Asia Materials</i> , 2017, 9, e389-e389.	3.8	7
103	Comparison of the tracheal systems of <i>Anopheles sinensis</i> and <i>Aedes togoi</i> larvae using synchrotron X-ray microscopic computed tomography (respiratory system of mosquito larvae using SR- μ CT). <i>Microscopy Research and Technique</i> , 2017, 80, 985-993.	1.2	6
104	How the pine seeds attach to/detach from the pine cone scale?. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2017, 10, 38-47.	1.1	6
105	Shelter effects of porous multi-scale fractal fences. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 163, 6-14.	1.7	18
106	Nature-inspired thermo-responsive multifunctional membrane adaptively hybridized with PNIPAm and PPy. <i>NPG Asia Materials</i> , 2017, 9, e445-e445.	3.8	34
107	Substantial drag reduction of a tractor-trailer vehicle using gap fairings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 171, 93-100.	1.7	7
108	Label-Free Sensing and Classification of Old Stored Blood. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2563-2573.	1.3	7

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109	Effective method for drug injection into subcutaneous tissue. <i>Scientific Reports</i> , 2017, 7, 9613.	1.6	68
110	Hemodynamic characteristics of flow around a deformable stenosis. <i>Journal of Biomechanics</i> , 2017, 61, 216-223.	0.9	6
111	Bio-inspired cab-roof fairing of heavy vehicles for enhancing drag reduction and driving stability. <i>International Journal of Mechanical Sciences</i> , 2017, 131-132, 868-879.	3.6	14
112	Nearly Perfect Durable Superhydrophobic Surfaces Fabricated by a Simple One-Step Plasma Treatment. <i>Scientific Reports</i> , 2017, 7, 1981.	1.6	79
113	Microfluidic system for monitoring temporal variations of hemorheological properties and platelet adhesion in LPS-injected rats. <i>Scientific Reports</i> , 2017, 7, 1801.	1.6	29
114	Drag reduction of a heavy vehicle using a modified boat tail with lower inclined air deflector. <i>Journal of Visualization</i> , 2017, 20, 743-752.	1.1	12
115	Drag-reducing underbody flow of a heavy vehicle with side skirts. <i>Journal of Visualization</i> , 2017, 20, 369-378.	1.1	4
116	Adhesion and Suction Functions of the Tip Region of a Nectar-drinking Butterfly Proboscis. <i>Journal of Bionic Engineering</i> , 2017, 14, 600-606.	2.7	3
117	Hydraulic Strategy of Cactus Trichome for Absorption and Storage of Water under Arid Environment. <i>Frontiers in Plant Science</i> , 2017, 8, 1777.	1.7	33
118	A Biologically-Inspired Symmetric Bidirectional Switch. <i>PLoS ONE</i> , 2017, 12, e0169856.	1.1	6
119	Superb feeding behavior of <i>Aedes albopictus</i> transmitting Zika virus. <i>PLoS ONE</i> , 2017, 12, e0184871.	1.1	1
120	Homocysteine-induced peripheral microcirculation dysfunction in zebrafish and its attenuation by L-arginine. <i>Oncotarget</i> , 2017, 8, 58264-58271.	0.8	7
121	Immunological consequences of ageing microvascular hemodynamic changes in view of cancer development and treatment. <i>Oncotarget</i> , 2017, 8, 69047-69061.	0.8	0
122	Vulnerability of Protoxylem and Metaxylem Vessels to Embolisms and Radial Refilling in a Vascular Bundle of Maize Leaves. <i>Frontiers in Plant Science</i> , 2016, 7, 941.	1.7	25
123	Hemodynamic Measurement Using Four-Dimensional Phase-Contrast MRI: Quantification of Hemodynamic Parameters and Clinical Applications. <i>Korean Journal of Radiology</i> , 2016, 17, 445.	1.5	35
124	The performance of bioinspired valveless piezoelectric micropump with respect to viscosity change. <i>Bioinspiration and Biomimetics</i> , 2016, 11, 036006.	1.5	23
125	Hybrid bright-field and hologram imaging of cell dynamics. <i>Scientific Reports</i> , 2016, 6, 33750.	1.6	11
126	In vivo measurement of hemodynamic information in stenosed rat blood vessels using X-ray PIV. <i>Scientific Reports</i> , 2016, 6, 37985.	1.6	6

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127	Effect of diabetic duration on hemorheological properties and platelet aggregation in streptozotocin-induced diabetic rats. <i>Scientific Reports</i> , 2016, 6, 21913.	1.6	31
128	Development of a Desalination Membrane Bioinspired by Mangrove Roots for Spontaneous Filtration of Sodium Ions. <i>ACS Nano</i> , 2016, 10, 11428-11433.	7.3	30
129	In-vivo analysis of the uptake process of heavy metals through maize roots by using synchrotron X-ray fluorescence spectroscopy. <i>Journal of the Korean Physical Society</i> , 2016, 69, 1824-1829.	0.3	5
130	X-ray PIV measurement of blood flow in deep vessels of a rat: An in vivo feasibility study. <i>Scientific Reports</i> , 2016, 6, 19194.	1.6	23
131	Microfluidics for simultaneous quantification of platelet adhesion and blood viscosity. <i>Scientific Reports</i> , 2016, 6, 24994.	1.6	30
132	Reduction of drag in heavy vehicles with two different types of advanced side skirts. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2016, 155, 36-46.	1.7	35
133	Immunological and pleiotropic effects of individual β -blockers and their relevance in cancer therapies. <i>Expert Opinion on Investigational Drugs</i> , 2016, 25, 501-505.	1.9	14
134	Smart self-cleaning cover glass for automotive miniature cameras. , 2016, , .		2
135	Precise measurement of orientations of transparent ellipsoidal particles through digital holographic microscopy. <i>Optics Express</i> , 2016, 24, 598.	1.7	15
136	Estimation of turbulent kinetic energy using 4D phase-contrast MRI: Effect of scan parameters and target vessel size. <i>Magnetic Resonance Imaging</i> , 2016, 34, 715-723.	1.0	12
137	Flow characteristics around proximal and distal stenoses in a series of tandem stenosed vessels. <i>Journal of Biomechanics</i> , 2016, 49, 2960-2967.	0.9	9
138	SPECT/CT analysis of splenic function in genistein-treated malaria-infected mice. <i>Experimental Parasitology</i> , 2016, 170, 10-15.	0.5	2
139	Reply to letter by Dyverfeldt and Ebbers regarding the article "Estimation of turbulent kinetic energy using 4D phase-contrast MRI: Effect of scan parameters and target vessel size". <i>Magnetic Resonance Imaging</i> , 2016, 34, 1338-1340.	1.0	1
140	Multi-VENC acquisition of four-dimensional phase-contrast MRI to improve precision of velocity field measurement. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1909-1919.	1.9	49
141	In vivodynamic analysis of water refilling in embolized xylem vessels of intact <i>Zea mays</i> leaves. <i>Annals of Botany</i> , 2016, 118, 1033-1042.	1.4	12
142	Novel water filtration of saline water in the outermost layer of mangrove roots. <i>Scientific Reports</i> , 2016, 6, 20426.	1.6	31
143	Compact and Thermosensitive Nature-inspired Micropump. <i>Scientific Reports</i> , 2016, 6, 36085.	1.6	24
144	Fabrication of Triple-parted Stomata-inspired Membrane with Stimulus-responsive Functions. <i>Scientific Reports</i> , 2016, 6, 21258.	1.6	5

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145	Electrically Controllable Microparticle Synthesis and Digital Microfluidic Manipulation by Electric-Field-Induced Droplet Dispensing into Immiscible Fluids. <i>Scientific Reports</i> , 2016, 6, 31901.	1.6	15
146	Peculiar liquid-feeding and pathogen transmission behavior of <i>Aedes togoi</i> and comparison with <i>Anopheles sinensis</i> . <i>Scientific Reports</i> , 2016, 6, 20464.	1.6	5
147	Direct observation of local xylem embolisms induced by soil drying in intact <i>Zea mays</i> leaves. <i>Journal of Experimental Botany</i> , 2016, 67, 2617-2626.	2.4	21
148	A novel fibrous duct structure discovered in the brain meninges by using polarized light microscopy. <i>Journal of the Korean Physical Society</i> , 2016, 68, 1246-1253.	0.3	0
149	Three-dimensional swimming motility of microorganism in the near-wall region. <i>Experiments in Fluids</i> , 2016, 57, 1.	1.1	14
150	High-Throughput and Label-Free Blood-on-a-Chip for Malaria Diagnosis. <i>Analytical Chemistry</i> , 2016, 88, 2912-2922.	3.2	28
151	Effect of initial attitude on autorotation flight of maple samaras (<i>Acer palmatum</i>). <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 741-747.	0.7	14
152	Post-stenotic plug-like jet with a vortex ring demonstrated by 4D flow MRI. <i>Magnetic Resonance Imaging</i> , 2016, 34, 371-375.	1.0	12
153	Cytochrome b5 Reductase 1 Triggers Serial Reactions that Lead to Iron Uptake in Plants. <i>Molecular Plant</i> , 2016, 9, 501-513.	3.9	26
154	Deformability measurement of red blood cells using a microfluidic channel array and an air cavity in a driving syringe with high throughput and precise detection of subpopulations. <i>Analyst</i> , 2016, 141, 319-330.	1.7	23
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