

Dimitrios Papavassiliou

List of Publications by Year in descending order

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146
papers

4,274
citations

101496

36
h-index

133188

59
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147
all docs

147
docs citations

147
times ranked

3931
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Fluid Slip over Superhydrophobic Surfaces and Its Dependence on the Contact Angle. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 2455-2477.	1.8	253
2	Scalable, eco-friendly and ultrafast solar steam generators based on one-step melamine-derived carbon sponges toward water purification. <i>Nano Energy</i> , 2019, 58, 322-330.	8.2	246
3	Liquid water can slip on a hydrophilic surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16170-16175.	3.3	223
4	Boundary slip and wetting properties of interfaces: Correlation of the contact angle with the slip length. <i>Journal of Chemical Physics</i> , 2006, 124, 204701.	1.2	130
5	Transport of a passive scalar in a turbulent channel flow. <i>International Journal of Heat and Mass Transfer</i> , 1997, 40, 1303-1311.	2.5	106
6	Computational modeling of flow-induced shear stresses within 3D salt-leached porous scaffolds imaged via micro-CT. <i>Journal of Biomechanics</i> , 2010, 43, 1279-1286.	0.9	99
7	Molybdenum and tungsten disulfides-based nanocomposite films for energy storage and conversion: A review. <i>Chemical Engineering Journal</i> , 2018, 348, 908-928.	6.6	98
8	Carotid geometry effects on blood flow and on risk for vascular disease. <i>Journal of Biomechanics</i> , 2008, 41, 11-19.	0.9	95
9	Unique Thermal Conductivity Behavior of Single-Walled Carbon Nanotube/Polystyrene Composites. <i>Macromolecules</i> , 2008, 41, 7274-7277.	2.2	95
10	Agricultural waste-derived moisture-absorber for all-weather atmospheric water collection and electricity generation. <i>Nano Energy</i> , 2020, 74, 104922.	8.2	91
11	Interpretation of large-scale structures observed in a turbulent plane Couette flow. <i>International Journal of Heat and Fluid Flow</i> , 1997, 18, 55-69.	1.1	87
12	Use of direct numerical simulation to study the effect of Prandtl number on temperature fields. <i>International Journal of Heat and Fluid Flow</i> , 1999, 20, 187-195.	1.1	82
13	Interfacial water on crystalline silica: a comparative molecular dynamics simulation study. <i>Molecular Simulation</i> , 2011, 37, 172-195.	0.9	81
14	Thermal boundary resistance at the graphene-graphene interface estimated by molecular dynamics simulations. <i>Chemical Physics Letters</i> , 2012, 527, 47-50.	1.2	77
15	Analysis of a Melt-Blowing Die: A Comparison of CFD and Experiments. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 5125-5138.	1.8	74
16	Two-Phase Flow Regime Identification with a Multiclassification Support Vector Machine (SVM) Model. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4414-4426.	1.8	72
17	Solid waste and graphite derived solar steam generator for highly-efficient and cost-effective water purification. <i>Applied Energy</i> , 2020, 261, 114410.	5.1	70
18	Slip length and contact angle over hydrophobic surfaces. <i>Chemical Physics Letters</i> , 2007, 441, 273-276.	1.2	65

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19	Turbulent flow in a channel at a low Reynolds number. <i>Experiments in Fluids</i> , 1998, 25, 503-511.	1.1	64
20	Computational modeling of the thermal conductivity of single-walled carbon nanotube-polymer composites. <i>Nanotechnology</i> , 2008, 19, 065702.	1.3	63
21	Heat transfer in high volume fraction CNT nanocomposites: Effects of inter-nanotube thermal resistance. <i>Chemical Physics Letters</i> , 2011, 508, 248-251.	1.2	60
22	Simulation insights into thermally conductive graphene-based nanocomposites. <i>Molecular Physics</i> , 2011, 109, 97-111.	0.8	58
23	Effects of Die Geometry on the Flow Field of the Melt-Blowing Process. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 5541-5553.	1.8	57
24	Enhanced Electrochemical and Thermal Transport Properties of Graphene/MoS ₂ Heterostructures for Energy Storage: Insights from Multiscale Modeling. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14614-14621.	4.0	56
25	Thermal transport phenomena and limitations in heterogeneous polymer composites containing carbon nanotubes and inorganic nanoparticles. <i>Carbon</i> , 2014, 78, 305-316.	5.4	50
26	Random walks in nanotube composites: Improved algorithms and the role of thermal boundary resistance. <i>Applied Physics Letters</i> , 2005, 87, 013101.	1.5	48
27	On the Prandtl or Schmidt number dependence of the turbulent heat or mass transfer coefficient. <i>Chemical Engineering Science</i> , 2004, 59, 543-555.	1.9	46
28	Effects of Temperature and Geometry on the Flow Field of the Melt Blowing Process. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 4199-4210.	1.8	44
29	Morphology Effects on Nonisotropic Thermal Conduction of Aligned Single-Walled and Multi-Walled Carbon Nanotubes in Polymer Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8851-8860.	1.5	44
30	Recent Advances in Graphene-Based Free-Standing Films for Thermal Management: Synthesis, Properties, and Applications. <i>Coatings</i> , 2018, 8, 63.	1.2	43
31	Inter-carbon nanotube contact in thermal transport of controlled-morphology polymer nanocomposites. <i>Nanotechnology</i> , 2009, 20, 155702.	1.3	41
32	Effective Heat Transfer Properties of Graphene Sheet Nanocomposites and Comparison to Carbon Nanotube Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3872-3880.	1.5	41
33	Significance of Extensional Stresses to Red Blood Cell Lysis in a Shearing Flow. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1632-1642.	1.3	40
34	Analysis of isothermal annular jets: Comparison of computational fluid dynamics and experimental data. <i>Journal of Applied Polymer Science</i> , 2004, 94, 909-922.	1.3	38
35	Turbulent transport from continuous sources at the wall of a channel. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 3571-3583.	2.5	37
36	The Use of Lagrangian Methods To Describe Turbulent Transport of Heat from a Wall. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 3359-3367.	1.8	36

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37	Calculated Thermal Properties of Single-Walled Carbon Nanotube Suspensions. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19860-19865.	1.5	34
38	Flow-Field Simulations and Hemolysis Estimates for the Food and Drug Administration Critical Path Initiative Centrifugal Blood Pump. <i>Artificial Organs</i> , 2017, 41, E129-E140.	1.0	32
39	Effects of Scaffold Architecture on Preosteoblastic Cultures under Continuous Fluid Shear. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 620-629.	1.8	31
40	Scalar dispersion from an instantaneous line source at the wall of a turbulent channel for medium and high Prandtl number fluids. <i>International Journal of Heat and Fluid Flow</i> , 2002, 23, 161-172.	1.1	30
41	Next-Generation Modeling of Melt Blowing. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 12233-12245.	1.8	30
42	Turbulent dispersion from elevated line sources in channel and couette flow. <i>AIChE Journal</i> , 2005, 51, 2402-2414.	1.8	29
43	A numerical study on the effective thermal conductivity of biological fluids containing single-walled carbon nanotubes. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 5591-5597.	2.5	29
44	Analysis of the Temperature Field from Multiple Jets in the Schwarz Melt Blowing Die Using Computational Fluid Dynamics. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5098-5109.	1.8	28
45	A Facile Approach to Tune the Electrical and Thermal Properties of Graphene Aerogels by Including Bulk MoS ₂ . <i>Nanomaterials</i> , 2017, 7, 420.	1.9	28
46	Online Measurement of Fiber Diameter and Temperature in the Melt-Spinning and Melt-Blowing Processes. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 8736-8744.	1.8	27
47	Synergistic effects of surfactants and heterogeneous nanoparticles at oil-water interface: Insights from computations. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 50-58.	5.0	27
48	Analysis of Multiple Jets in the Schwarz Melt-Blowing Die Using Computational Fluid Dynamics. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 8922-8932.	1.8	26
49	Efficient Lagrangian scalar tracking method for reactive local mass transport simulation through porous media. <i>International Journal for Numerical Methods in Fluids</i> , 2011, 67, 501-517.	0.9	26
50	Thermal Behavior of Double-Walled Carbon Nanotubes and Evidence of Thermal Rectification. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4449-4454.	1.5	26
51	Adsorption of anionic and non-ionic surfactants on carbon nanotubes in water with dissipative particle dynamics simulation. <i>Journal of Chemical Physics</i> , 2016, 144, 204701.	1.2	26
52	Mesoscopic modeling of cancer photothermal therapy using single-walled carbon nanotubes and near infrared radiation: insights through an off-lattice Monte Carlo approach. <i>Nanotechnology</i> , 2014, 25, 205101.	1.3	24
53	Oil-water interfaces with surfactants: A systematic approach to determine coarse-grained model parameters. <i>Journal of Chemical Physics</i> , 2018, 148, 204704.	1.2	24
54	Effects of a first-order chemical reaction on turbulent mass transfer. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 43-61.	2.5	23

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55	Turbulent Heat Transfer in Plane Couette Flow. <i>Journal of Heat Transfer</i> , 2006, 128, 53-62.	1.2	22
56	Effects of the Polymer Fiber on the Flow Field from a Slot Melt Blowing Die. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 935-945.	1.8	22
57	Hemolysis Related to Turbulent Eddy Size Distributions Using Comparisons of Experiments to Computations. <i>Artificial Organs</i> , 2015, 39, E227-39.	1.0	21
58	Inter-Carbon Nanotube Contact and Thermal Resistances in Heat Transport of Three-Phase Composites. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7614-7620.	1.5	21
59	Physical adsorption of polyvinyl pyrrolidone on carbon nanotubes under shear studied with dissipative particle dynamics simulations. <i>Carbon</i> , 2016, 100, 291-301.	5.4	21
60	A PORE NETWORK MODEL FOR THE CALCULATION OF NON-DARCY FLOW COEFFICIENTS IN FLUID FLOW THROUGH POROUS MEDIA. <i>Chemical Engineering Communications</i> , 2004, 191, 1285-1322.	1.5	20
61	Distribution of flow-induced stresses in highly porous media. <i>Applied Physics Letters</i> , 2010, 97, 024101.	1.5	20
62	Transport properties for turbulent dispersion from wall sources. <i>AIChE Journal</i> , 2003, 49, 1095-1108.	1.8	19
63	Effects of the Polymer Fiber on the Flow Field from an Annular Melt-Blowing Die. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 655-666.	1.8	19
64	Bulk stress distributions in the pore space of sphere-packed beds under Darcy flow conditions. <i>Physical Review E</i> , 2014, 89, 033016.	0.8	18
65	Off-Lattice Monte Carlo Simulation of Heat Transfer through Carbon Nanotube Multiphase Systems Taking into Account Thermal Boundary Resistances. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 65, 1023-1043.	1.2	18
66	Effective thermal transport properties in multiphase biological systems containing carbon nanomaterials. <i>RSC Advances</i> , 2017, 7, 13615-13622.	1.7	18
67	Prediction of the Turbulent Prandtl Number in Wall Flows with Lagrangian Simulations. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 8881-8891.	1.8	17
68	3D Tissue-Engineered Construct Analysis via Conventional High-Resolution Microcomputed Tomography Without X-Ray Contrast. <i>Tissue Engineering - Part C: Methods</i> , 2013, 19, 327-335.	1.1	17
69	Review of Recent Developments on Using an Off-Lattice Monte Carlo Approach to Predict the Effective Thermal Conductivity of Composite Systems with Complex Structures. <i>Nanomaterials</i> , 2016, 6, 142.	1.9	17
70	Hydrodynamic Dispersion in Porous Media and the Significance of Lagrangian Time and Space Scales. <i>Fluids</i> , 2020, 5, 79.	0.8	17
71	Use of an Infrared Camera for Accurate Determination of the Temperature of Polymer Filaments. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 336-344.	1.8	16
72	A physical picture of the mechanism of turbulent heat transfer from the wall. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 4873-4882.	2.5	16

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73	A Flow Induced Autoimmune Response and Accelerated Senescence of Red Blood Cells in Cardiovascular Devices. <i>Scientific Reports</i> , 2019, 9, 19443.	1.6	16
74	Transport of nanoparticles and kinetics in packed beds: A numerical approach with lattice Boltzmann simulations and particle tracking. <i>International Journal of Heat and Mass Transfer</i> , 2014, 72, 319-328.	2.5	15
75	Drag Coefficient Correction for Spherical and Nonspherical Particles Suspended in Square Microducts. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10465-10474.	1.8	15
76	Modification of Oil-Water Interfaces by Surfactant-Stabilized Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27734-27744.	1.5	15
77	Modifying Air Fields To Improve Melt Blowing. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 3472-3482.	1.8	14
78	Effect of Sodium Dodecyl Sulfate Adsorption on the Behavior of Water inside Single Walled Carbon Nanotubes with Dissipative Particle Dynamics Simulation. <i>Molecules</i> , 2016, 21, 500.	1.7	14
79	Use of Computational Fluid Dynamics to Analyze Blood Flow, Hemolysis and Sublethal Damage to Red Blood Cells in a Bileaflet Artificial Heart Valve. <i>Fluids</i> , 2019, 4, 19.	0.8	14
80	Effect of Janus particles and non-ionic surfactants on the collapse of the oil-water interface under compression. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 158-169.	5.0	14
81	Image-based modeling: A novel tool for realistic simulations of artificial bone cultures. <i>Technology</i> , 2016, 04, 229-233.	1.4	13
82	Hydrodynamic effects on the aggregation of nanoparticles in porous media. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 477-487.	2.5	13
83	Predictions of the thermal conductivity of multiphase nanocomposites with complex structures. <i>Journal of Materials Science</i> , 2018, 53, 12157-12166.	1.7	13
84	Turbulence structure for plane Poiseuille-Couette flow and implications for drag reduction over surfaces with slip. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 38-46.	0.9	12
85	Predicting the stress distribution within scaffolds with ordered architecture. <i>Biorheology</i> , 2012, 49, 235-247.	1.2	12
86	Modeling of cancer photothermal therapy using near-infrared radiation and functionalized graphene nanosheets. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3275.	1.0	12
87	Arterial deformation with renal artery aneurysm as a basis for secondary hypertension. <i>Biorheology</i> , 2013, 50, 17-31.	1.2	11
88	Recycling Polymeric Solid Wastes for Energy-Efficient Water Purification, Organic Distillation, and Oil Spill Cleanup. <i>Small</i> , 2021, 17, e2102459.	5.2	11
89	Modeling the Melt Blowing of Hollow Fibers. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 407-415.	1.8	10
90	Effect of carbon nanotube persistence length on heat transfer in nanocomposites: A simulation approach. <i>Applied Physics Letters</i> , 2013, 102, 203116.	1.5	10

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91	Turbulent plane Poiseuille-Couette flow as a model for fluid slip over superhydrophobic surfaces. <i>Physical Review E</i> , 2013, 88, 063015.	0.8	10
92	An Approach for Assessing Turbulent Flow Damage to Blood in Medical Devices. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	10
93	Effects of a reacting channel wall on turbulent mass transfer. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 2940-2949.	2.5	9
94	Flow effects on the kinetics of a second-order reaction. <i>Chemical Engineering Journal</i> , 2008, 140, 370-380.	6.6	9
95	The effects of shear and particle shape on the physical adsorption of polyvinyl pyrrolidone on carbon nanoparticles. <i>Nanotechnology</i> , 2016, 27, 325709.	1.3	9
96	Nanoparticle transport in heterogeneous porous media with particle tracking numerical methods. <i>Computational Particle Mechanics</i> , 2017, 4, 87-100.	1.5	9
97	Production of erythrocyte microparticles in a sub-hemolytic environment. <i>Journal of Artificial Organs</i> , 2021, 24, 135-145.	0.4	9
98	Elongational Stresses and Cells. <i>Cells</i> , 2021, 10, 2352.	1.8	9
99	Using helicity to investigate scalar transport in wall turbulence. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	9
100	Flow around Surface-Attached Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 1797-1804.	1.8	8
101	On temperature prediction at low Re turbulent flows using the Churchill turbulent heat flux correlation. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 3681-3690.	2.5	8
102	EFFECTS OF HYDROPHOBICITY-INDUCING ROUGHNESS ON MICRO-FLOWS. <i>Chemical Engineering Communications</i> , 2013, 200, 919-934.	1.5	8
103	Reynolds Stresses and Hemolysis in Turbulent Flow Examined by Threshold Analysis. <i>Fluids</i> , 2016, 1, 42.	0.8	8
104	Interaction parameters between carbon nanotubes and water in Dissipative Particle Dynamics. <i>Molecular Simulation</i> , 2016, 42, 737-744.	0.9	8
105	Effects of Temperature and Shear on the Adsorption of Surfactants on Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14339-14348.	1.5	8
106	Contamination in Sodium Dodecyl Sulfate Solutions: Insights from the Measurements of Surface Tension and Surface Rheology. <i>Langmuir</i> , 2022, 38, 7179-7189.	1.6	8
107	Using Swirl Dies To Spin Solid and Hollow Fibers. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 2331-2340.	1.8	7
108	Backwards and forwards dispersion of a scalar in turbulent wall flows. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1023-1035.	2.5	7

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109	Direction of scalar transport in turbulent channel flow. <i>Physics of Fluids</i> , 2011, 23, .	1.6	7
110	Near-wall velocity structures that drive turbulent transport from a line source at the wall. <i>Physics of Fluids</i> , 2012, 24, .	1.6	7
111	Transport and deposition kinetics of polymer-coated multiwalled carbon nanotubes in packed beds. <i>AIChE Journal</i> , 2016, 62, 3774-3783.	1.8	7
112	A statistical model to predict streamwise turbulent dispersion from the wall at small times. <i>Physics of Fluids</i> , 2016, 28, .	1.6	7
113	Scalar mixing in anisotropic turbulent flow. <i>AIChE Journal</i> , 2018, 64, 2803-2815.	1.8	7
114	Knowledge-Based Multiclass Support Vector Machines Applied to Vertical Two-Phase Flow. <i>Lecture Notes in Computer Science</i> , 2006, , 188-195.	1.0	7
115	Comparison of backwards and forwards scalar relative dispersion in turbulent shear flow. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 5650-5664.	2.5	6
116	Numerical Calculation of the Effective Thermal Conductivity of Nanocomposites. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013, 63, 590-603.	1.2	6
117	Heat Transfer Scaling Close to the Wall for Turbulent Channel Flows. <i>Applied Mechanics Reviews</i> , 2013, 65, .	4.5	6
118	Flow-induced separation in wall turbulence. <i>Physical Review E</i> , 2015, 91, 033019.	0.8	6
119	Validation of Non-darcy Well Models Using Direct Numerical Simulation. , 2000, , 156-169.		6
120	Distribution and history of extensional stresses on vWF surrogate molecules in turbulent flow. <i>Scientific Reports</i> , 2022, 12, 171.	1.6	6
121	Coarse Grained Modeling of Multiphase Flows with Surfactants. <i>Polymers</i> , 2022, 14, 543.	2.0	6
122	Transient stenotic-like occlusions as a possible mechanism for renovascular hypertension due to aneurysm. <i>Journal of the American Society of Hypertension</i> , 2009, 3, 192-200.	2.3	5
123	Lagrangian Modeling of Turbulent Dispersion from Instantaneous Point Sources at the Center of a Turbulent Flow Channel. <i>Fluids</i> , 2017, 2, 46.	0.8	5
124	Velocity Magnitude Distribution for Flow in Porous Media. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13979-13990.	1.8	5
125	Mesoscopic modeling of heat transfer in carbon nanotube multiphase polymer composites. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
126	Hemolysis estimation in turbulent flow for the FDA critical path initiative centrifugal blood pump. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 1709-1722.	1.4	4

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127	Non-Darcy Flow Pore Network Simulation: Development and Validation of a 3D Model. , 2007, , 1331.		3
128	On the scaling of heat transfer using thermal flux gradients for fully developed turbulent channel and Couette flows. International Communications in Heat and Mass Transfer, 2008, 35, 404-412.	2.9	3
129	Unsteady State Heat Transfer from Cylinders to Air in Normal and Parallel Flow. Industrial & Engineering Chemistry Research, 2009, 48, 4119-4126.	1.8	3
130	Effect of spatial distribution of porous matrix surface charge heterogeneity on nanoparticle attachment in a packed bed. Physics of Fluids, 2017, 29, .	1.6	3
131	Understanding Macroscopic Heat/Mass Transfer Using Meso- and Macro-Scale Simulations. , 2006, , 489-513.		2
132	A computational investigation of the geometric factors affecting the severity of renal arterial stenoses. Journal of Biorheology, 2009, 23, 102-110.	0.2	2
133	Heat Transfer in Nanocomposites with Monte-Carlo Simulations. Defect and Diffusion Forum, 2011, 312-315, 177-182.	0.4	2
134	Entropy Generation in Laminar Flow Junctions. , 2012, , .		2
135	Flow Recovery Downstream from Nanoposts Grown at the Wall of a Microchannel. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 1-17.	1.4	2
136	Interaction between polymer-coated carbon nanotubes with coarse-grained computations. Chemical Physics Letters, 2017, 685, 77-83.	1.2	2
137	Quality Measures of Mixing in Turbulent Flow and Effects of Molecular Diffusivity. Fluids, 2018, 3, 53.	0.8	2
138	Recycling Polymeric Solid Wastes for Energy-efficient Water Purification, Organic Distillation, and Oil Spill Cleanup (Small 46/2021). Small, 2021, 17, 2170244.	5.2	2
139	Simulation of Heat Transfer With LBM and Lagrangian Methods for Microfluidic Applications. , 2005, , 563.		1
140	Simulations to Determine Laminar Loss Coefficients for Flow in Circular Ducts With Arbitrary Planar Bifurcation Geometries. , 2008, , .		1
141	Hemodynamics of the renal artery ostia with implications for their structural development and efficiency of flow. Biorheology, 2015, 52, 257-268.	1.2	1
142	Simulation of Thermal Conductivity in Fabricated Variable Volume Fraction Aligned Carbon Nanotube Polymer Composites. , 2008, , .		0
143	Chemical Fate and Transport in the Environment. AIAA Journal, 2016, 54, 3320-3320.	1.5	0
144	Flow and Heat or Mass Transfer in the Chemical Process Industry. Fluids, 2018, 3, 61.	0.8	0

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145	Coupled Flow and Heat or Mass Transfer. Fluids, 2020, 5, 66.	0.8	0
146	Sublethal Damage to Erythrocytes during Blood Flow. Fluids, 2022, 7, 66.	0.8	0