

Jacob H Masliyah

List of Publications by Year in descending order

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172
papers

7,513
citations

47006

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177
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times ranked

4606
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-Responsive Hybrid Polymer for Enhanced Solid-Liquid Separation of Industrial Effluents. <i>Environmental Science & Technology</i> , 2019, 53, 6436-6443.	10.0	11
2	Side-view-only determination of drag coefficient and settling velocity for non-spherical particles. <i>Powder Technology</i> , 2018, 339, 182-191.	4.2	22
3	Probing Mechanical Properties of Water-Crude Oil Interfaces and Colloidal Interactions of Petroleum Emulsions Using Atomic Force Microscopy. <i>Energy & Fuels</i> , 2017, 31, 3445-3453.	5.1	14
4	Surface forces in unconventional oil processing. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 27, 63-73.	7.4	13
5	Measurement and modeling on hydrodynamic forces and deformation of an air bubble approaching a solid sphere in liquids. <i>Advances in Colloid and Interface Science</i> , 2015, 217, 31-42.	14.7	22
6	Nonmonotonous variation of DNA angular separation during asymmetric pulsed field electrophoresis. <i>Electrophoresis</i> , 2013, 34, 2453-2463.	2.4	3
7	Broadening of neutral analyte band in electroosmotic flow through slit channel with different zeta potentials of the walls. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 35-47.	2.2	20
8	Dissipation of Film Drainage Resistance by Hydrophobic Surfaces in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8799-8805.	3.1	19
9	Understanding suspension rheology of anisotropically-charged platy minerals from direct interaction force measurement using AFM. <i>Current Opinion in Colloid and Interface Science</i> , 2013, 18, 149-156.	7.4	34
10	Interaction of divalent cations with basal planes and edge surfaces of phyllosilicate minerals: Muscovite and talc. <i>Journal of Colloid and Interface Science</i> , 2013, 404, 183-191.	9.4	43
11	A systematic evaluation of the role of crystalline order in nanoporous materials on DNA separation. <i>Lab on A Chip</i> , 2012, 12, 146-152.	6.0	17
12	Improving Oil Sands Processability Using a Temperature-Sensitive Polymer. <i>Energy & Fuels</i> , 2011, 25, 701-707.	5.1	27
13	Wettability Control Mechanism of Highly Contaminated Hydrophilic Silica/Alumina Surfaces by Ethyl Cellulose. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10576-10587.	3.1	59
14	Determination of Anisotropic Surface Characteristics of Different Phyllosilicates by Direct Force Measurements. <i>Langmuir</i> , 2011, 27, 12996-13007.	3.5	72
15	Preparation of Solid and Hollow Asphaltene Fibers by Single Step Electrospinning. <i>Journal of Engineered Fibers and Fabrics</i> , 2011, 6, 155892501100600.	1.0	7
16	Flocculation kinetics and aggregate structure of kaolinite mixtures in laminar tube flow. <i>Journal of Colloid and Interface Science</i> , 2011, 355, 96-105.	9.4	35
17	Electroosmotic Dispersion in Micro-Channels and its Implications. , 2010, , .		0
18	Polymer aids for settling and filtration of oil sands tailings. <i>Canadian Journal of Chemical Engineering</i> , 2010, 88, 403-410.	1.7	21

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19	DNA Dynamics in Nanoscale Confinement under Asymmetric Pulsed Field Electrophoresis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3326-3329.	13.8	23
20	Broadening of neutral solute band in electroosmotic flow through submicron channel with longitudinal non-uniformity of zeta potential. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 338-346.	4.7	12
21	Use of Short-Chain Amine in Processing of Weathered/Oxidized Oil Sands Ores. <i>Energy & Fuels</i> , 2010, 24, 3581-3588.	5.1	21
22	Mechanistic Study on Demulsification of Water-in-Diluted Bitumen Emulsions by Ethylcellulose. <i>Langmuir</i> , 2010, 26, 3050-3057.	3.5	114
23	Role of Bicarbonate Ions in Oil Sands Extraction Systems with a Poor Processing Ore. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 809-822.	2.4	11
24	Fibre fractionation using air-sparged hydrocyclone. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 94-98.	1.7	2
25	Effect of particle size on the rheology of Athabasca clay suspensions. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 422-434.	1.7	31
26	Effect of weathering on oil sands processability. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 879-886.	1.7	12
27	Aggregation and Partitioning of Model Asphaltenes at Toluene~Water Interfaces: Molecular Dynamics Simulations. <i>Energy & Fuels</i> , 2009, 23, 5027-5035.	5.1	111
28	Effect of molecular weight and charge density on the performance of polyacrylamide in low~grade oil sand ore processing. <i>Canadian Journal of Chemical Engineering</i> , 2008, 86, 177-185.	1.7	17
29	Novel polymer aids for low~grade oil sand ore processing. <i>Canadian Journal of Chemical Engineering</i> , 2008, 86, 168-176.	1.7	25
30	Hydrogen and Oxygen Bubble Attachment to a Bitumen Drop. <i>Canadian Journal of Chemical Engineering</i> , 2008, 82, 846-849.	1.7	6
31	Interfacial Films Adsorbed from Bitumen in Toluene Solution at a Toluene~Water Interface: A Langmuir and Langmuir~Blodgett Film Approach. <i>Energy & Fuels</i> , 2008, 22, 1784-1791.	5.1	20
32	Study of Al(OH) ₃ ~Polyacrylamide-Induced Pelleting Flocculation by Single Molecule Force Spectroscopy. <i>Langmuir</i> , 2008, 24, 14015-14021.	3.5	37
33	Probing Surface Charge Potentials of Clay Basal Planes and Edges by Direct Force Measurements. <i>Langmuir</i> , 2008, 24, 12899-12910.	3.5	92
34	Asphaltene Films at a Toluene/Water Interface. <i>Energy & Fuels</i> , 2007, 21, 274-285.	5.1	56
35	Single Molecule Force Spectroscopy of Asphaltene Aggregates. <i>Langmuir</i> , 2007, 23, 6182-6190.	3.5	34
36	Flocculation of kaolinite clay suspensions using a temperature-sensitive polymer. <i>AIChE Journal</i> , 2007, 53, 479-488.	3.6	70

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37	Electrokinetic Phenomena in concentrated disperse systems: General problem formulation and Spherical Cell Approach. <i>Advances in Colloid and Interface Science</i> , 2007, 134-135, 279-321.	14.7	78
38	Hydrodynamic Cell Model: General Formulation and Comparative Analysis of Different Approaches. <i>Canadian Journal of Chemical Engineering</i> , 2007, 85, 701-725.	1.7	27
39	Effect of Operating Temperature on Water-Based Oil Sands Processing. <i>Canadian Journal of Chemical Engineering</i> , 2007, 85, 726-738.	1.7	47
40	Adhesion of Single Polyelectrolyte Molecules on Silica, Mica, and Bitumen Surfaces. <i>Langmuir</i> , 2006, 22, 1652-1659.	3.5	41
41	Characterization of the Charge Carriers in Bitumen. <i>Energy & Fuels</i> , 2006, 20, 2099-2108.	5.1	15
42	Langmuir Films of Bitumen at Oil/Water Interfaces. <i>Energy & Fuels</i> , 2006, 20, 1572-1578.	5.1	21
43	Effect of Divalent Cations and Surfactants on Silica-Bitumen Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7482-7490.	3.7	46
44	Colloidal Interactions between Langmuir-Blodgett Bitumen Films and Fine Solid Particles. <i>Langmuir</i> , 2006, 22, 8831-8839.	3.5	22
45	Particle Deposition onto Charge Heterogeneous Surfaces: A Convection-Diffusion-Migration Model. <i>Langmuir</i> , 2006, 22, 9879-9893.	3.5	25
46	Spherical Cell Approach for the Effective Viscosity of Suspensions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19726-19734.	2.6	23
47	Influence of cross-section geometry on band broadening in plug-flow microchannels. <i>Chemical Engineering Science</i> , 2006, 61, 4155-4164.	3.8	12
48	Role of illite-illite interactions in oil sands processing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 281, 202-214.	4.7	32
49	Particle deposition onto micropatterned charge heterogeneous substrates: Trajectory analysis. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 1-15.	9.4	24
50	Friberg Correlations in Oil Recovery. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 625-633.	2.4	6
51	An induction time model for the attachment of an air bubble to a hydrophobic sphere in aqueous solutions. <i>International Journal of Mineral Processing</i> , 2005, 75, 69-82.	2.6	32
52	Asphaltene Monolayers at a Toluene/Water Interface. <i>Energy & Fuels</i> , 2005, 19, 1330-1336.	5.1	67
53	Adsorption isotherms of associating asphaltenes at oil/water interfaces based on the dependence of interfacial tension on solvent activity. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 5-17.	9.4	47
54	Fractal structure of asphaltene aggregates. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 599-608.	9.4	79

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55	Adsorption of Bituminous Components at Oil/Water Interfaces Investigated by Quartz Crystal Microbalance: Implications to the Stability of Water-in-Oil Emulsions. <i>Langmuir</i> , 2005, 21, 8278-8289.	3.5	64
56	Acoustic and Electroacoustic Spectroscopy of Water-in-Diluted-Bitumen Emulsions. <i>Langmuir</i> , 2005, 21, 8649-8657.	3.5	15
57	Online Optical Monitoring of Asphaltene Aggregation. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 75-84.	3.7	25
58	Settling Properties of Asphaltene Aggregates. <i>Energy & Fuels</i> , 2005, 19, 1099-1108.	5.1	24
59	Some Observations on the Contraction Behavior of a Water-in-Oil Drop with Attached Solids. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1241-1249.	3.7	49
60	Characterization of Adsorbed Athabasca Asphaltene Films at Solvent-Water Interfaces Using a Langmuir Interfacial Trough. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1160-1174.	3.7	43
61	Effect of charged colloidal particles on adsorption of surfactants at oil-water interface. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 625-630.	9.4	46
62	Evolution of asphaltene floc size distribution in organic solvents under shear. <i>Chemical Engineering Science</i> , 2004, 59, 685-697.	3.8	59
63	A novel experimental technique to study single bubble-bitumen attachment in flotation. <i>International Journal of Mineral Processing</i> , 2004, 74, 15-29.	2.6	40
64	Hydrodynamic Dispersion due to Combined Pressure-Driven and Electroosmotic Flow Through Microchannels with a Thin Double Layer. <i>Analytical Chemistry</i> , 2004, 76, 2708-2718.	6.5	46
65	A New Device to Determine Bitumen Extraction from Oil Sands. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 752-762.	1.7	6
66	Bubble Size Distributions for Dispersed Air & Water Flows in a 100 mm Horizontal Pipeline. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 858-864.	1.7	9
67	A Novel Photometric Technique to Detect the Onset of Asphaltene Precipitation at Low Concentrations: The Effect of Maltenes and Water. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 1089-1095.	1.7	8
68	Kinetics of microbubble-solid surface interaction and attachment. <i>AIChE Journal</i> , 2003, 49, 1024-1037.	3.6	16
69	Characterization of asphaltenes aggregation and fragmentation in a shear field. <i>AIChE Journal</i> , 2003, 49, 1645-1655.	3.6	70
70	Emulsion stability based on phase behavior in sodium naphthenates containing systems: Gels with a high organic solvent content. <i>Journal of Colloid and Interface Science</i> , 2003, 257, 299-309.	9.4	35
71	Effect of surface mobility on the particle sliding along a bubble or a solid sphere. <i>Journal of Colloid and Interface Science</i> , 2003, 259, 81-88.	9.4	20
72	Studies of Athabasca asphaltene Langmuir films at air-water interface. <i>Journal of Colloid and Interface Science</i> , 2003, 264, 128-140.	9.4	82

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73	Attachment of individual particles to a stationary air bubble in model systems. <i>International Journal of Mineral Processing</i> , 2003, 68, 47-69.	2.6	41
74	Role of fine kaolinite clay in toluene-diluted bitumen/water emulsion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 215, 141-153.	4.7	61
75	Bubble size in coalescence dominant regime of turbulent air-water flow through horizontal pipes. <i>International Journal of Multiphase Flow</i> , 2003, 29, 1451-1471.	3.4	45
76	Electroosmotic Dispersion in Microchannels with a Thin Double Layer. <i>Analytical Chemistry</i> , 2003, 75, 901-909.	6.5	39
77	Langmuir and Langmuir-Blodgett Films of Mixed Asphaltene and a Demulsifier. <i>Langmuir</i> , 2003, 19, 9730-9741.	3.5	104
78	Hydrophobic Interactions in Silane-Treated Silica Suspensions and Bitumen Emulsions. <i>Canadian Journal of Chemical Engineering</i> , 2003, 81, 43-52.	1.7	4
79	Effect of Dispersion on Particle Segregation Due to Sparged Air in a Hydrocyclone. <i>Canadian Journal of Chemical Engineering</i> , 2003, 81, 549-556.	1.7	0
80	An electrokinetic model of drop deformation in an electric field. <i>Journal of Fluid Mechanics</i> , 2002, 472, 1-27.	3.4	60
81	Sandwich Structures at Oil-Water Interfaces under Alkaline Conditions. <i>Journal of Colloid and Interface Science</i> , 2002, 253, 427-434.	9.4	71
82	Pressure buildup in gas-liquid flow through packed beds due to deposition of fine particles. <i>Canadian Journal of Chemical Engineering</i> , 2002, 80, 346-354.	1.7	41
83	Poisson-Boltzmann equation for spherical cell model: approximate analytical solution and applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 192, 235-251.	4.7	21
84	On water-in-oil emulsions stabilized by fine solids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 193, 97-107.	4.7	201
85	Electrostatic Repulsion in Concentrated Disperse Systems. <i>Journal of Colloid and Interface Science</i> , 2001, 234, 293-315.	9.4	15
86	Phase Behavior of Sodium Naphthenates, Toluene, and Water. <i>Journal of Colloid and Interface Science</i> , 2001, 242, 247-254.	9.4	68
87	Measurement of the Zeta Potential of Gas Bubbles in Aqueous Solutions by Microelectrophoresis Method. <i>Journal of Colloid and Interface Science</i> , 2001, 243, 128-135.	9.4	245
88	A new pressure drop model for flow through orifice plates. <i>Canadian Journal of Chemical Engineering</i> , 2001, 79, 100-106.	1.7	7
89	Solid-liquid mass transfer in a rotary drum. <i>Canadian Journal of Chemical Engineering</i> , 2001, 79, 726-731.	1.7	2
90	Measurement of Contact Angles for Fumed Silica Nanospheres Using Enthalpy of Immersion Data. <i>Journal of Colloid and Interface Science</i> , 2000, 228, 1-6.	9.4	58

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91	Water-in-Hydrocarbon Emulsions Stabilized by Asphaltenes at Low Concentrations. <i>Journal of Colloid and Interface Science</i> , 2000, 228, 52-63.	9.4	267
92	Fractionation of nylon fibres using a vertical settler. <i>Canadian Journal of Chemical Engineering</i> , 2000, 78, 194-204.	1.7	0
93	A Visualizing Method for Study of Micron Bubble Attachment onto a Solid Surface under Varying Physicochemical Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 4949-4955.	3.7	14
94	Coagulation of bitumen with fine silica in model systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 148, 199-211.	4.7	56
95	Non-linear flows in porous media. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 86, 229-252.	2.4	72
96	Numerical Model of Electrokinetic Flow for Capillary Electrophoresis. <i>Journal of Colloid and Interface Science</i> , 1999, 215, 300-312.	9.4	72
97	Analysis of Fine Bubble Attachment onto a Solid Surface within the Framework of Classical DLVO Theory. <i>Journal of Colloid and Interface Science</i> , 1999, 219, 69-80.	9.4	14
98	Roles of Various Bitumen Components in the Stability of Water-in-Diluted-Bitumen Emulsions. <i>Journal of Colloid and Interface Science</i> , 1999, 220, 329-337.	9.4	137
99	Continuous separation of suspensions containing light and heavy particle species. <i>Canadian Journal of Chemical Engineering</i> , 1999, 77, 1003-1012.	1.7	9
100	Deposition of Fine Particles in Packed Beds at Hydrotreating Conditions: A Role of Surface Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 4878-4888.	3.7	31
101	Toluene-insoluble fraction from thermal cracking of Athabasca gas oil: formation of a liquid-in-oil emulsion that wets hydrophobic dispersed solids. <i>Fuel</i> , 1998, 77, 1647-1653.	6.4	21
102	On non-Newtonian fluid flow in ducts and porous media. <i>Chemical Engineering Science</i> , 1998, 53, 1175-1201.	3.8	44
103	Self-Preservation of the Drop Size Distribution Function and Variation in the Stability Ratio for Rapid Coalescence of a Polydisperse Emulsion in a Simple Shear Field. <i>Journal of Colloid and Interface Science</i> , 1998, 197, 57-67.	9.4	32
104	A Visual Study of High Grade Oil Sand Disintegration Process. <i>Journal of Colloid and Interface Science</i> , 1998, 205, 201-203.	9.4	4
105	Interaction of Ionic Species and Fine Solids with a Low Energy Hydrophobic Surface from Contact Angle Measurement. <i>Journal of Colloid and Interface Science</i> , 1998, 204, 342-349.	9.4	27
106	Kinetics of Particle Transport to a Solid Surface from an Impinging Jet under Surface and External Force Fields. <i>Journal of Colloid and Interface Science</i> , 1998, 208, 226-240.	9.4	41
107	Gas-solid mass transfer in a rotating drum. <i>Canadian Journal of Chemical Engineering</i> , 1998, 76, 224-232.	1.7	15
108	Effect of NaCl and MIBC/kerosene on bitumen displacement by water on a glass surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 136, 71-80.	4.7	18

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109	Effect of Hydrophobic and Hydrophilic Clays on Bitumen Displacement by Water on a Glass Surface. Industrial & Engineering Chemistry Research, 1998, 37, 959-965.	3.7	17
110	Creaming Behavior of Solids-Stabilized Oil-in-Water Emulsions. Industrial & Engineering Chemistry Research, 1997, 36, 1122-1129.	3.7	20
111	Continuous Demulsification of Solids-Stabilized Oil-in-Water Emulsions by the Addition of Fresh Oil. Industrial & Engineering Chemistry Research, 1997, 36, 2634-2640.	3.7	12
112	Particle Capture and Plugging in Packed-Bed Reactors. Industrial & Engineering Chemistry Research, 1997, 36, 4620-4627.	3.7	43
113	Chemical engineering research in pulp and paper introduction and overview. Canadian Journal of Chemical Engineering, 1997, 75, 5-7.	1.7	0
114	On bitumen liberation from oil sands. Canadian Journal of Chemical Engineering, 1997, 75, 476-479.	1.7	14
115	A Model for Detachment of a Partially Wetting Drop from a Solid Surface by Shear Flow. Journal of Colloid and Interface Science, 1997, 190, 253-257.	9.4	61
116	SINGLE FLUID FLOW IN POROUS MEDIA. Chemical Engineering Communications, 1996, 148-150, 653-732.	2.6	75
117	Gibbs-Langmuir Model for Interfacial Tension of Nonideal Organic Mixtures over Water. The Journal of Physical Chemistry, 1996, 100, 1786-1792.	2.9	18
118	Rheology of Suspensions. Advances in Chemistry Series, 1996, , 107-176.	0.6	38
119	Principles of Single-Phase Flow Through Porous Media. Advances in Chemistry Series, 1996, , 227-286.	0.6	7
120	Prediction of sedimentation and consolidation of fine tails. AIChE Journal, 1996, 42, 960-972.	3.6	68
121	Effect of pH on Adsorption and Desorption of Clay Particles at Oil-Water Interface. Journal of Colloid and Interface Science, 1996, 181, 20-27.	9.4	81
122	A Study of Oil Displacement on Model Surfaces. Journal of Colloid and Interface Science, 1996, 182, 82-94.	9.4	81
123	Demulsification of solids-stabilized oil-in-water emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 117, 15-25.	4.7	16
124	Characterization and demulsification of solids-stabilized oil-in-water emulsions Part 1. Partitioning of clay particles and preparation of emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 96, 229-242.	4.7	110
125	Characterization and demulsification of solids-stabilized oil-in-water emulsions Part 2. Demulsification by the addition of fresh oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 96, 243-252.	4.7	42
126	Salt Rejection in a Sinusoidal Capillary Tube. Journal of Colloid and Interface Science, 1994, 166, 383-393.	9.4	7

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127	Adsorption and Desorption of Clay Particles at the Oil-Water Interface. <i>Journal of Colloid and Interface Science</i> , 1994, 168, 386-392.	9.4	76
128	Developing convective heat transfer in helical pipes with finite pitch. <i>International Journal of Heat and Fluid Flow</i> , 1994, 15, 66-74.	2.4	33
129	Cell and surfactant separation by column flotation. <i>Canadian Journal of Chemical Engineering</i> , 1994, 72, 840-847.	1.7	10
130	Biological remediation of anthracene-contaminated soil in rotating bioreactors. <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 933-940.	3.6	47
131	Liquid-side mass transfer coefficients for liquids and slurries in a rotating drum. <i>Chemical Engineering Science</i> , 1993, 48, 3442-3446.	3.8	12
132	A decoupling numerical method for fluid flow. <i>International Journal for Numerical Methods in Fluids</i> , 1993, 16, 659-682.	1.6	9
133	Solids-stabilized oil-in-water emulsions: Scavenging of emulsion droplets by fresh oil addition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 75, 123-132.	4.7	53
134	Effect of oil viscosity on the rheology of oil-in-water emulsions with added solids. <i>Canadian Journal of Chemical Engineering</i> , 1993, 71, 852-858.	1.7	11
135	Axially invariant laminar flow in helical pipes with a finite pitch. <i>Journal of Fluid Mechanics</i> , 1993, 251, 315-353.	3.4	122
136	Flow through isotropic granular porous media. <i>Transport in Porous Media</i> , 1991, 6, 207-221.	2.6	143
137	Mathematical modelling of flow through consolidated isotropic porous media. <i>Transport in Porous Media</i> , 1988, 3, 145-161.	2.6	150
138	Settling behaviour of heavy and buoyant particles from a suspension in an inclined channel. <i>Journal of Fluid Mechanics</i> , 1988, 187, 301-318.	3.4	16
139	Heat transfer from a porous composite sphere immersed in a moving stream. <i>International Journal of Heat and Mass Transfer</i> , 1987, 30, 1445-1451.	4.8	4
140	Gravity separation of bidisperse suspensions: Light and heavy particle species. <i>Chemical Engineering Science</i> , 1987, 42, 1527-1538.	3.8	47
141	Creeping flow over a composite sphere: Solid core with porous shell. <i>Chemical Engineering Science</i> , 1987, 42, 245-253.	3.8	120
142	Ablation of ice-solids and wax-solids mixtures in turbulent axisymmetric water jets. <i>Canadian Journal of Chemical Engineering</i> , 1987, 65, 420-429.	1.7	1
143	Bifurcation in steady laminar mixed convection flow in horizontal ducts. <i>Journal of Fluid Mechanics</i> , 1985, 152, 145-161.	3.4	46
144	Mass transfer due to a confined laminar impinging axisymmetric jet. <i>Industrial & Engineering Chemistry Fundamentals</i> , 1984, 23, 446-454.	0.7	20

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145	Coherent optical measurement techniques in profilometric determination of local mass transfer coefficients. <i>Optics and Lasers in Engineering</i> , 1984, 5, 211-229.	3.8	1
146	Numerical prediction of the flow field due to a confined laminar two-dimensional submerged jet. <i>Computers and Fluids</i> , 1984, 12, 199-215.	2.5	18
147	Mass transfer due to a confined laminar impinging two-dimensional jet. <i>International Journal of Heat and Mass Transfer</i> , 1984, 27, 529-539.	4.8	22
148	FULLY DEVELOPED LAMINAR FLOW IN A HELICAL TUBE OF FINITE PITCH. <i>Chemical Engineering Communications</i> , 1984, 29, 125-138.	2.6	1
149	Bifurcation in steady laminar flow through curved tubes. <i>Journal of Fluid Mechanics</i> , 1982, 119, 475-490.	3.4	110
150	Laminar flow past a permeable sphere. <i>Canadian Journal of Chemical Engineering</i> , 1982, 60, 202-211.	1.7	63
151	Theoretical and experimental studies of a gravity separation vessel. <i>Industrial & Engineering Chemistry Process Design and Development</i> , 1981, 20, 154-160.	0.6	13
152	Terminal velocity of porous spheres. <i>Canadian Journal of Chemical Engineering</i> , 1980, 58, 299-302.	1.7	126
153	On laminar flow in curved semicircular ducts. <i>Journal of Fluid Mechanics</i> , 1980, 99, 469-479.	3.4	49
154]Hindered settling in a multi-species particle system. <i>Chemical Engineering Science</i> , 1979, 34, 1166-1168.	3.8	201
155	Mass transfer due to an impinging slot jet. <i>International Journal of Heat and Mass Transfer</i> , 1979, 22, 237-244.	4.8	22
156	Fully developed viscous flow and heat transfer in curved semicircular sectors. <i>AIChE Journal</i> , 1979, 25, 478-487.	3.6	24
157	Two-phase laminar zero net flow in a circular inclined pipe. <i>Canadian Journal of Chemical Engineering</i> , 1978, 56, 165-175.	1.7	6
158	Fluid flow and heat transfer in internally finned helical coils. <i>Canadian Journal of Chemical Engineering</i> , 1977, 55, 27-36.	1.7	7
159	Experimental study of mass transfer due to an impinging rectangular jet. <i>Canadian Journal of Chemical Engineering</i> , 1977, 55, 156-160.	1.7	8
160	Holographic determination of mass transfer due to impinging square jet. <i>Canadian Journal of Chemical Engineering</i> , 1976, 54, 299-304.	1.7	11
161	Aerosol removal by diffusion and interception in mats of elliptic fibres. <i>Canadian Journal of Chemical Engineering</i> , 1975, 53, 568-571.	1.7	3
162	Flow perpendicular to mats of randomly arranged cylindrical fibers(importance of cell models). <i>AIChE Journal</i> , 1975, 21, 805-807.	3.6	20

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