## Marcelo J S De Lemos

# List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/1825660/marcelo-j-s-de-lemos-publications-by-year.pdf

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143
papers

2,137
citations

28
h-index
g-index

193
ext. papers

2,464
ext. citations

3.4
avg, IF

5.49
L-index

#	Paper	IF	Citations
143	Modeling Turbulence in Permeable Media: The Double-Decomposition Concept Revisited <b>2022</b> , 4, 124-1	<b>3</b> 11	2
142	Discharge effectiveness of thermal energy storage systems. <i>Applied Thermal Engineering</i> , <b>2022</b> , 209, 118232	5.8	0
141	Filtration efficiency of particle-laden flows for thermal plug and abandonment of oil wells using turbulence modeling in porous media. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 135, 106108	5.8	1
140	Turbulent flow and heat transfer in a partially filled ventilated cavity using the local thermal non-equilibrium method. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 164, 106844	4.1	3
139	FRICTION FACTOR FOR DUCTS OF SINUSOIDAL WALLS WITH A LAYER OF POROUS MATERIAL.  International Journal of Energy for A Clean Environment, 2021, 22, 51-63	1.5	2
138	THERMAL EFFICIENCY OF SOLAR VOLUMETRIC RECEIVERS USING CONSTANT AND VARIABLE FLUID PROPERTIES. <i>International Journal of Energy for A Clean Environment</i> , <b>2021</b> , 22, 95-111	1.5	3
137	Detailed Numerical Modeling and Simulation of Fe2O3Al Thermite Reaction. <i>Propellants, Explosives, Pyrotechnics</i> , <b>2021</b> , 46, 806-824	1.7	7
136	A new hybrid analytical/numerical method for transient heat conduction in composite hollow cylinders applied to plug and abandonment of oil wells. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 168, 106981	4.1	6
135	Unsteady heat conduction with phase change applied to a novel thermal plug and abandonment process. <i>International Journal of Thermal Sciences</i> , <b>2021</b> , 170, 107155	4.1	3
134	STRATIFICATION AND ENERGY LOSSES IN A STANDBY CYCLE OF A THERMAL ENERGY STORAGE SYSTEM. International Journal of Energy for A Clean Environment, <b>2021</b> , 22, 1-32	1.5	2
133	Transient performance of a thermocline energy storage system using the two-energy equation model. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 150, 119323	4.9	8
132	A thermal study of a new oil well plugging & abandonment operation. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 155, 106421	4.1	8
131	Effect of porous material properties on thermal efficiencies of a thermocline storage tank. <i>Applied Thermal Engineering</i> , <b>2020</b> , 173, 115194	5.8	9
130	Transient behavior and thermal efficiency of volumetric heat receivers. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 149, 119128	4.9	4
129	Thermal performance of a solar volumetric receiver using the two-energy equation model and radiation boundary condition. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 104, 101-1	<b>05</b> 8	7
128	Turbulence structure and heat transfer in a sudden expansion with a porous insert using linear and non-linear turbulence models. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 141, 1-13	4.1	
127	Modified Lewis Number and Buoyancy Ratio Effects on Turbulent Double-Diffusive Convection in Porous Media Using the Thermal Nonequilibrium Model. <i>Journal of Heat Transfer</i> , <b>2019</b> , 141,	1.8	2

126	Role of porosity and solid-to-fluid thermal conductivity ratio on turbulent combined heat and mass transfer in a porous cavity. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 132, 221-237	4.9	2	
125	Filtration Gas Combustion in a Porous Ceramic Annular Burner for Thermoelectric Power Conversion. <i>Heat Transfer Engineering</i> , <b>2019</b> , 40, 1196-1210	1.7	5	
124	Use of porous-continuum and continuum models for determining the permeability of porous cavities under turbulent free convection. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , <b>2018</b> , 73, 78-93.	3 <sup>1.3</sup>	6	
123	A new numerical scheme for using the two-energy equation model for turbulent buoyant flow in a composite enclosure. <i>Numerical Heat Transfer, Part B: Fundamentals,</i> <b>2018</b> , 74, 578-602	1.3	2	
122	Turbulent heat transfer past a sudden expansion with a porous insert using a nonlinear model. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2017</b> , 71, 290-310	2.3	9	
121	Double-diffusive laminar free convection in a porous cavity simulated with the two-energy equation model. <i>International Communications in Heat and Mass Transfer</i> , <b>2017</b> , 82, 89-96	5.8	4	
120	Effect of Thermal Conductivity Ratio on Laminar Double-Diffusive Free Convection in a Porous Cavity. <i>Journal of Heat Transfer</i> , <b>2017</b> , 139,	1.8	4	
119	Turbulent natural convection in a composite annulus using a novel numerical scheme and the thermal nonequilibrium hypothesis. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2017</b> , 71, 837-854	2.3	3	
118	Turbulent flow in porous combustor using the thermal non-equilibrium hypothesis and radiation boundary condition. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 115, 1043-1054	4.9	9	
117	Mathematical modeling and numerical results of power-law fluid flow over a finite porous medium. <i>International Journal of Thermal Sciences</i> , <b>2016</b> , 100, 126-137	4.1	6	
116	Modeling of Thermal Non-equilibrium. SpringerBriefs in Applied Sciences and Technology, 2016, 9-41	0.4		
115	Double Diffusion. SpringerBriefs in Applied Sciences and Technology, 2016, 89-105	0.4		
114	Heterogeneous Media. SpringerBriefs in Applied Sciences and Technology, 2016, 1-7	0.4	0	
113	Combustion Systems. SpringerBriefs in Applied Sciences and Technology, 2016, 69-88	0.4		
112	Moving Systems. SpringerBriefs in Applied Sciences and Technology, 2016, 43-68	0.4		
111	Single-point transition modeling using the laminar kinetic energy concept. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 89, 1095-1109	4.9	6	
110	Spatial Averaging over a Variable Volume and Its Application to Boundary-Layer Flows over Permeable Walls. <i>Journal of Hydraulic Engineering</i> , <b>2015</b> , 141, 04014087	1.8	1	
109	Turbulent heat transfer in a counterflow moving porous bed using a two-energy equation model. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 72, 98-113	4.9	4	

108	Analysis of turbulent double-diffusive free convection in porous media using the two-energy equation model. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 52, 132-139	5.8	12
107	Turbulent free convection in a porous cavity using the two-temperature model and the high Reynolds closure. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 79, 105-115	4.9	8
106	Double averaging methodology and double-decomposition: description of intermediate scales between a fluid particle and a catchment. <i>Hydrological Processes</i> , <b>2014</b> , 28, 3356-3360	3.3	
105	A Thermo-Mechanical Model for a Counterflow Biomass Gasifier. <i>Defect and Diffusion Forum</i> , <b>2014</b> , 354, 227-235	0.7	
104	Passive Laminar Heat Transfer Across Porous Cavities Using the Thermal Non-Equilibrium Model. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2014</b> , 66, 1173-1194	2.3	7
103	A coupled surface-subsurface model of overbank flood flow and air entrapment in a permeable floodplain <b>2014</b> , 591-596		1
102	Turbulent free convection in a porous square cavity using the thermal equilibirum model. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 49, 10-16	5.8	9
101	Numerical simulation of a crossflow moving porous bed using a thermal non-equilibrium model. <i>International Journal of Heat and Mass Transfer</i> , <b>2013</b> , 67, 311-325	4.9	4
100	Turbulence modeling in a parallel flow moving porous bed. <i>International Communications in Heat and Mass Transfer</i> , <b>2013</b> , 48, 1-7	5.8	6
99	Laminar flow with combustion in inert porous media. <i>International Communications in Heat and Mass Transfer</i> , <b>2012</b> , 39, 896-903	5.8	23
98	Temperature Distribution in a Counterflow Moving Bed Under a Thermal Nonequilibrium Condition. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2012</b> , 61, 1-17	2.3	7
97	Turbulent Mass Transport <b>2012</b> , 91-111		
96	Turbulent Double Diffusion <b>2012</b> , 113-120		
95	Turbulent Combustion <b>2012</b> , 121-132		
94	Moving Porous Media <b>2012</b> , 133-140		10
93	Applications in Hybrid Media <b>2012</b> , 199-352		1
92	Turbulent Momentum Transport <b>2012</b> , 33-53		
91	Governing Equations <b>2012</b> , 19-26		1

### (2010-2012)

90	Turbulent flow with combustion in a moving bed. <i>International Communications in Heat and Mass Transfer</i> , <b>2012</b> , 39, 1-7	5.8	3
89	Laminar heat transfer in a moving porous bed reactor simulated with a macroscopic two-energy equation model. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 1922-1930	4.9	13
88	Numerical Modeling and Algorithms <b>2012</b> , 143-198		
87	Heat Transfer Using the Local Thermal Non-Equilibrium Model. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2012</b> , 55-73	0.4	
86	Heat Transfer Using the Local Thermal Equilibrium Model. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2012</b> , 37-53	0.4	
85	Flow Structure of Impinging Jets. SpringerBriefs in Applied Sciences and Technology, 2012, 21-35	0.4	
84	The Double-Decomposition Concept <b>2012</b> , 27-32		
83	Concluding Remarks and Future Work. SpringerBriefs in Applied Sciences and Technology, 2012, 75-76	0.4	
82	Mathematical Modeling of Turbulence in Porous Media. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2012</b> , 7-19	0.4	
81	Simulation of a Turbulent Impinging Jet into a Layer of Porous Material Using a Two <b>E</b> nergy Equation Model. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2011</b> , 59, 769-798	2.3	15
80	Turbulent flow in a composite channel. <i>International Communications in Heat and Mass Transfer</i> , <b>2011</b> , 38, 1019-1023	5.8	10
79	A novel implicit numerical treatment for non-linear turbulence models using high and low Reynolds number formulations. <i>International Journal for Numerical Methods in Fluids</i> , <b>2011</b> , 66, 1475-1494	1.9	2
78	Comparison of Four Thermo-Mechanical Models for Simulating Reactive Flow in Porous Materials. <i>Defect and Diffusion Forum</i> , <b>2010</b> , 297-301, 1493-1501	0.7	
77	Simulation of Turbulent Combustion in Porous Materials with One- and Two-Energy Equation Models. <i>Advanced Structured Materials</i> , <b>2010</b> , 443-460	0.6	1
76	A Turbulent Impinging Jet on a Plate Covered with a Porous Layer. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2010</b> , 58, 429-456	2.3	10
75	Analysis of turbulent combustion in inert porous media. <i>International Communications in Heat and Mass Transfer</i> , <b>2010</b> , 37, 331-336	5.8	11
74	A macroscopic two-energy equation model for turbulent flow and heat transfer in highly porous media. <i>International Journal of Heat and Mass Transfer</i> , <b>2010</b> , 53, 2424-2433	4.9	35
73	Simulation of laminar impinging jet on a porous medium with a thermal non-equilibrium model. <i>International Journal of Heat and Mass Transfer</i> , <b>2010</b> , 53, 5089-5101	4.9	34

72	Heat-Transfer Coefficient for Cellular Materials Modelled as an Array of Elliptic Rods. <i>Advanced Engineering Materials</i> , <b>2009</b> , 11, 837-842	3.5	2
71	Laminar heat transfer in a porous channel simulated with a two-energy equation model.  International Communications in Heat and Mass Transfer, 2009, 36, 1002-1007	5.8	11
70	Turbulent Flow Around Fluid <b>P</b> orous Interfaces Computed with a Diffusion-Jump Model for k and $\Box$ Transport Equations. <i>Transport in Porous Media</i> , <b>2009</b> , 78, 331-346	3.1	13
69	Double-diffusive turbulent natural convection in a porous square cavity with opposing temperature and concentration gradients. <i>International Communications in Heat and Mass Transfer</i> , <b>2009</b> , 36, 991-99.	5 <sup>5.8</sup>	23
68	Numerical simulation of turbulent combustion in porous materials. <i>International Communications in Heat and Mass Transfer</i> , <b>2009</b> , 36, 996-1001	5.8	28
67	Laminar and turbulent free convection in a composite enclosure. <i>International Journal of Heat and Mass Transfer</i> , <b>2009</b> , 52, 588-596	4.9	16
66	Turbulent Flow in Wavy Channels Simulated with Nonlinear Models and a New Implicit Formulation. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2009</b> , 56, 301-324	2.3	22
65	Simulation of turbulent impinging jet into a cylindrical chamber with and without a porous layer at the bottom. <i>International Journal of Heat and Mass Transfer</i> , <b>2009</b> , 52, 680-693	4.9	17
64	Thermal Analysis of an Impinging Jet on a Plate With and Without a Porous Layer. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2008</b> , 54, 1022-1041	2.3	42
63	Laminar Confined Impinging Jet into a Porous Layer. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2008</b> , 54, 151-177	2.3	32
63 62		2.3	32 27
	<b>2008</b> , 54, 151-177	2.3	
62	<ul><li>2008, 54, 151-177</li><li>2008,</li><li>Computation of turbulent free convection in left and right tilted porous enclosures using a</li></ul>		27
62	2008, 54, 151-177  2008,  Computation of turbulent free convection in left and right tilted porous enclosures using a macroscopic kilmodel. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 5279-5287  Thermal dispersion in porous media as a function of the solidfluid conductivity ratio. <i>International</i>	4.9	27
62 61 60	2008,  Computation of turbulent free convection in left and right tilted porous enclosures using a macroscopic kImodel. International Journal of Heat and Mass Transfer, 2008, 51, 5279-5287  Thermal dispersion in porous media as a function of the solidfluid conductivity ratio. International Journal of Heat and Mass Transfer, 2008, 51, 5359-5367  Turbulent kinetic energy in a moving porous bed. International Communications in Heat and Mass	4.9	27 12 38
62 61 60 59	<ul> <li>2008, 54, 151-177</li> <li>2008,</li> <li>Computation of turbulent free convection in left and right tilted porous enclosures using a macroscopic klmodel. <i>International Journal of Heat and Mass Transfer</i>, 2008, 51, 5279-5287</li> <li>Thermal dispersion in porous media as a function of the solidfluid conductivity ratio. <i>International Journal of Heat and Mass Transfer</i>, 2008, 51, 5359-5367</li> <li>Turbulent kinetic energy in a moving porous bed. <i>International Communications in Heat and Mass Transfer</i>, 2008, 35, 1049-1052</li> <li>Computation of turbulent heat transfer in a moving porous bed using a macroscopic two-energy</li> </ul>	4.9	27 12 38
<ul><li>62</li><li>61</li><li>60</li><li>59</li><li>58</li></ul>	2008, 54, 151-177  2008,  Computation of turbulent free convection in left and right tilted porous enclosures using a macroscopic klmodel. International Journal of Heat and Mass Transfer, 2008, 51, 5279-5287  Thermal dispersion in porous media as a function of the solidfluid conductivity ratio. International Journal of Heat and Mass Transfer, 2008, 51, 5359-5367  Turbulent kinetic energy in a moving porous bed. International Communications in Heat and Mass Transfer, 2008, 35, 1049-1052  Computation of turbulent heat transfer in a moving porous bed using a macroscopic two-energy equation model. International Communications in Heat and Mass Transfer, 2008, 35, 1262-1266	4·9 4·9 5.8 5.8	27 12 38 6

#### (2004-2006)

54	Turbulent Heat Transfer in an Enclosure With a Horizontal Permeable Plate in the Middle. <i>Journal of Heat Transfer</i> , <b>2006</b> , 128, 1122-1129	1.8	12	
53	A Correlation for Interfacial Heat Transfer Coefficient for Turbulent Flow Over an Array of Square Rods. <i>Journal of Heat Transfer</i> , <b>2006</b> , 128, 444-452	1.8	77	
52	Flow and Heat Transfer in a Parallel-Plate Channel with Porous and Solid Baffles. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2006</b> , 49, 471-494	2.3	51	
51	Simulation of turbulent natural convection in a porous cylindrical annulus using a macroscopic two-equation model. <i>International Journal of Heat and Mass Transfer</i> , <b>2006</b> , 49, 4340-4351	4.9	30	
50	Turbulent Impinging Jet Into a Confined Porous Layer <b>2005</b> , 673		0	
49	Heat Transfer in Cavities Having a Fixed Amount of Solid Material <b>2005</b> , 311		1	
48	Turbulent Heat Transfer in Channels With Solid and Porous Baffles <b>2005</b> , 609		О	
47	Turbulent kinetic energy distribution across the interface between a porous medium and a clear region. <i>International Communications in Heat and Mass Transfer</i> , <b>2005</b> , 32, 107-115	5.8	49	
46	Laminar natural convection in cavities filled with circular and square rods. <i>International Communications in Heat and Mass Transfer</i> , <b>2005</b> , 32, 1289-1297	5.8	58	
45	Heat transfer in enclosures having a fixed amount of solid material simulated with heterogeneous and homogeneous models. <i>International Journal of Heat and Mass Transfer</i> , <b>2005</b> , 48, 4748-4765	4.9	54	
44	Fundamentals of the double decomposition concept for turbulent transport in permeable media. <i>Materialwissenschaft Und Werkstofftechnik</i> , <b>2005</b> , 36, 586-593	0.9	12	
43	Interfacial heat transfer coefficient for non-equilibrium convective transport in porous media. <i>International Communications in Heat and Mass Transfer</i> , <b>2005</b> , 32, 666-676	5.8	62	
42	THE DOUBLE-DECOMPOSITION CONCEPT FOR TURBULENT TRANSPORT IN POROUS MEDIA <b>2005</b> , 1-33		4	
41	Numerical Solution of Turbulent Channel Flow Past a Backward-Facing Step with a Porous Insert Using Linear and Nonlinear k-? Models. <i>Journal of Porous Media</i> , <b>2005</b> , 8, 13-30	2.9	37	
40	Computation of Turbulent Free Convection in Oblique Porous Enclosures Using a Macroscopic Two-Equation Model <b>2004</b> , 241			
39	Laminar Heat Transfer in a Parallel Plate Channel With Solid and Porous Baffles <b>2004</b> , 117		1	
38	NUMERICAL SIMULATION OF TURBULENT FLOW IN SMALL-ANGLE DIFFUSERS AND CONTRACTIONS USING A NEW WALL TREATMENT AND A LINEAR HIGH REYNOLDS kIMODEL. Numerical Heat Transfer; Part A: Applications, <b>2004</b> , 45, 911-933	2.3	5	
37	Turbulent natural convection in a porous square cavity computed with a macroscopic Imodel.  International Journal of Heat and Mass Transfer, <b>2004</b> , 47, 5639-5650	4.9	52	

36	Optimal multigrid solutions of two-dimensional convection and uction problems. <i>Applied Mathematics and Computation</i> , <b>2004</b> , 152, 725-742	2.7	20
35	Modeling of double-diffusive turbulent natural convection in porous media. <i>International Journal of Heat and Mass Transfer</i> , <b>2004</b> , 47, 4233-4241	4.9	28
34	Laminar Free Convection in Inclined Enclosures Filled With a Fluid Saturated Porous Medium <b>2004</b> , 569	)	
33	Turbulent Heat and Mass Transfer in Porous Media <b>2004</b> , 157-168		3
32	Turbulent Flow Around a Wavy Interface Between a Porous Medium and a Clear Domain 2003, 1509		2
31	Turbulent Free Convection in a Composite Enclosure <b>2003</b> , 749		
30	Turbulent Natural Convection in Horizontal Composite Cavities 2003, 113		0
29	A block-implicit numerical procedure for simulation of buoyant swirling flows in a model furnace. <i>International Journal for Numerical Methods in Fluids</i> , <b>2003</b> , 43, 281-299	1.9	3
28	Turbulent flow in a channel occupied by a porous layer considering the stress jump at the interface. <i>International Journal of Heat and Mass Transfer</i> , <b>2003</b> , 46, 5113-5121	4.9	73
27	TURBULENT MASS TRANSPORT IN SATURATED RIGID POROUS MEDIA. <i>International Communications in Heat and Mass Transfer</i> , <b>2003</b> , 30, 105-113	5.8	35
26	A BLOCK-IMPLICIT METHOD FOR NUMERICAL SIMULATION OF SWIRLING FLOWS IN A MODEL COMBUSTOR. <i>International Communications in Heat and Mass Transfer</i> , <b>2003</b> , 30, 369-378	5.8	3
25	Multigrid correction-storage formulation applied to the numerical solution of incompressible laminar recirculating flows. <i>Applied Mathematical Modelling</i> , <b>2003</b> , 27, 717-732	4.5	1
24	Modeling of turburlent natural convection in porous media. <i>International Communications in Heat and Mass Transfer</i> , <b>2003</b> , 30, 615-624	5.8	31
23	COMPUTATION OF TURBULENT FLOW IN POROUS MEDIA USING A LOW-REYNOLDS K - MODELAND AN INFINITE ARRAY OF TRANSVERSALLY DISPLACED ELLIPTIC RODS. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2003</b> , 43, 585-602	2.3	58
22	NUMERICAL ANALYSIS OF THE STRESS JUMP INTERFACE CONDITION FOR LAMINAR FLOW OVER A POROUS LAYER. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2003</b> , 43, 603-617	2.3	49
21	Pressure Drop Characteristics of Parallel-Plate Channel Flow With Porous Obstructions at Both Walls <b>2003</b> , 291		O
20	Turbulent Heat Transfer in a Backward-Facing Step Flow Using a Non-Linear k-[Model <b>2002</b> , 315		
19	Simulation of Turbulent Flow in a Channel Partially Occupied by a Porous Layer Considering the Stress Jump at the Interface <b>2002</b> , 639		1

Turbulent Natural Convection in Enclosures With Clear Fluid and Completely Filled With Porous Material **2002**, 155

17	Numerical Treatment of the Stress Jump Interface Condition for Laminar Flow in a Channel Partially Filled With a Porous Material <b>2002</b> , 715		5
16	Heat Transfer in a Suddenly Expanded Turbulent Flow Past a Porous Insert Using Linear and Non-Linear Eddy-Viscosity Models <b>2002</b> , 145		0
15	Natural Convection in Turbulent Regime in Concentric and Eccentric Horizontal Annular Regions <b>2002</b> ,		1
14	Turbulent transport modeling for heated flow in rigid porous media 2002,		12
13	Optimization of convergence acceleration in multigrid numerical solutions of conductive Bonvective problems. <i>Applied Mathematics and Computation</i> , <b>2001</b> , 124, 215-226	2.7	9
12	Macroscopic turbulence modeling for incompressible flow through undeformable porous media. <i>International Journal of Heat and Mass Transfer</i> , <b>2001</b> , 44, 1081-1093	4.9	223
11	On the Mathematical Description and Simulation of Turbulent Flow in a Porous Medium Formed by an Array of Elliptic Rods. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2001</b> , 123, 941-947	2.1	58
10	Recent Mathematical Models for Turbulent Flow in Saturated Rigid Porous Media. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2001</b> , 123, 935-940	2.1	68
9	SIMULATION OF TURBULENT FLOW IN POROUS MEDIA USING A SPATIALLY PERIODIC ARRAY AND A LOW RE TWO-EQUATION CLOSURE. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2001</b> , 39, 35-59	2.3	57
8	On the definition of turbulent kinetic energy for flow in porous media. <i>International Communications in Heat and Mass Transfer</i> , <b>2000</b> , 27, 211-220	5.8	100
7	Analysis of convective heat transfer for turbulent flow in saturated porous media. <i>International Communications in Heat and Mass Transfer</i> , <b>2000</b> , 27, 825-834	5.8	44
6	FLOW AND HEAT TRANSFER IN RECTANGULAR ENCLOSURES USING A NEW BLOCK-IMPLICIT NUMERICAL METHOD. <i>Numerical Heat Transfer, Part B: Fundamentals,</i> <b>2000</b> , 37, 489-508	1.3	10
5	The effects of Peclet number and cycling strategy on multigrid numerical solutions of conductive-convective problems 1998,		4
4	Radiant and convective heat transfer for flow of a transparent gas in a short tube with sinusoidal wall heat flux. <i>International Communications in Heat and Mass Transfer</i> , <b>1985</b> , 12, 505-520	5.8	4
3	Turbulence modeling in combined convection in mercury pipe flow. <i>International Journal of Heat and Mass Transfer</i> , <b>1985</b> , 28, 1067-1088	4.9	12
2	Interfacial Heat Transport in Highly Permeable Media: A Finite Volume Approach1-30		
1	Thermodynamics of thermite reactions for a new thermal plug and abandonment process.  Continuum Mechanics and Thermodynamics,1	3.5	2

#### MARCELO J S DE LEMOS