Ryuichi S Nagaosa

List of Publications by Year
in descending order

32 papers	812 citations	687363 13 h-index	610901 24 g-index
32 all docs	32 docs citations	32 times ranked	438 citing authors

#	Article	IF	Citations
1	Turbulence model-free approach for predictions of air flow dynamics and heat transfer in a fin-and-tube exchanger. Energy Conversion and Management, 2017, 142, 414-425.	9.2	16
2	A new numerical formulation of gas leakage and spread into a residential space in terms of hazard analysis. Journal of Hazardous Materials, 2014, 271, 266-274.	12.4	41
3	A numerical modelling of gas exchange mechanisms between air and turbulent water with an aquarium chemical reaction. Journal of Computational Physics, 2014, 256, 69-87.	3.8	4
4	Reprint of: A numerical modelling of gas exchange mechanisms between air and turbulent water with an aquarium chemical reaction. Journal of Computational Physics, 2014, 271, 172-190.	3.8	2
5	Characteristic time scales for predicting the scalar flux at a free surface in turbulent openâ€channel flows. AICHE Journal, 2012, 58, 3867-3877.	3.6	21
6	In-silico experiments on characteristic time scale at a shear-free gas-liquid interface in fully developed turbulence. Journal of Physics: Conference Series, 2011, 318, 042008.	0.4	0
7	Reproductive and developmental toxicity of degradation products of refrigerants in experimental animals. Reproductive Toxicology, 2010, 29, 1-9.	2.9	8
8	Reproductive and developmental toxicity of hydrofluorocarbons used as refrigerants. Reproductive Toxicology, 2010, 29, 125-131.	2.9	16
9	An analysis of liquid CO₂ drop formation with and without hydrate formation in static mixers. AICHE Journal, 2010, 56, 2706-2716.	3.6	5
10	Toxicity of degradation products of refrigerants. Toxicology Letters, 2009, 189, S244.	0.8	0
11	Low shear turbulence structures beneath stress-driven interface with neutral and stable stratification. Physics of Fluids, 2006, 18, 055106.	4.0	8
12	The effect of heat release from a gasâ€"liquid interface on turbulence structure in fully developed shallow water flows. , 2004, , 457-462.		0
13	Surfactant effects on passive scalar transport in a fully developed turbulent flow. International Journal of Heat and Mass Transfer, 2003, 46, 2219-2238.	4.8	30
14	Statistical analysis of coherent vortices near a free surface in a fully developed turbulence. Physics of Fluids, 2003, 15, 375-394.	4.0	74
15	CO2Sequestration at Sea by Gas-Lift System of Shallow Injection and Deep Releasing. Environmental Science & Technology, 2000, 34, 4140-4145.	10.0	46
16	Direct numerical simulation of vortex structures and turbulent scalar transfer across a free surface in a fully developed turbulence. Physics of Fluids, 1999, 11, 1581-1595.	4.0	113
17	On Suitable Grid Resolution in the Wall-Parallel Directions for a Direct Numerical Simulation of Wall Turbulence using a Second-Order Finite Difference Method.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1999, 65, 1318-1325.	0.2	1
18	On the Relationship between the Coherent Structures and Heat and Mass Transfer Mechanism near a Free Surface in a Fully Developed Turbulence.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1998, 64, 1025-1032.	0.2	0

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19	Turbulence Structure in Stably Stratified Open-Channel Flows.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1997, 63, 1170-1176.	0.2	0
20	GLAD: A gas-lift method for CO2 disposal into the ocean. Energy, 1997, 22, 257-262.	8.8	26
21	Turbulence structure and scalar transfer in stratified freeâ€"surface flows. AICHE Journal, 1997, 43, 2393-2404.	3.6	40
22	Dynamic Properties of the Stagnation Pressure of Water Jet in the Continous Region.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1996, 62, 1827-1832.	0.2	0
23	Turbulence Structure near a Shear-Free Gas-Liquid Interface in Stably Stratified Open-Channel Flows. Fluid Mechanics and Its Applications, 1996, , 555-558.	0.2	0
24	Numerical Simulations of Wave Phenomena by Upwind-Difference and Central-Difference Methods.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1995, 61, 4394-4399.	0.2	1
25	A gas-lift system for CO2 release into shallow seawater. Energy Conversion and Management, 1995, 36, 467-470.	9.2	14
26	Direct Numerical Simulation of Turbulence Structure at a Wavy-Sheared Air-water Interface. Fluid Mechanics and Its Applications, 1995, , 387-391.	0.2	0
27	Turbulence structure and heat and mass transfer mechanism at a gas-liquid interface in a wind-wave tunnel. Flow, Turbulence and Combustion, 1993, 51, 423-427.	0.2	3
28	Turbulence structure and mass transfer across a sheared airâ€"water interface in wind-driven turbulence. Journal of Fluid Mechanics, 1993, 249, 161.	3.4	182
29	Direct numerical simulation of threeâ€dimensional openâ€channel flow with zeroâ€shear gasâ€"liquid interface. Physics of Fluids A, Fluid Dynamics, 1993, 5, 115-125.	1.6	125
30	Turbulence Structure and Heat and Mass Transfer Mechanism at a Gas-Liquid Interface in a Wind-Wave Tunnel. Fluid Mechanics and Its Applications, 1993, , 423-427.	0.2	1
31	The effects of multiple inclined blades on flow and mixing characteristics in an agitated thin-film evaporator.. Journal of Chemical Engineering of Japan, 1990, 23, 550-555.	0.6	3
32	Mass transfer into a turbulent liquid across the zero-shear gas-liquid interface. AICHE Journal, 1990, 36, 957-960.	3.6	32