

Nadeem A Malik

List of Publications by Year in descending order

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29
papers

636
citations

1040056
9
h-index

677142
22
g-index

29
all docs

29
docs citations

29
times ranked

416
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparison of Turbulence Generated by 3DS Sparse Grids with Different Blockage Ratios and Different Co-frame Arrangements. Springer Proceedings in Mathematics and Statistics, 2021, , 325-334.	0.2	0
2	New scaling laws predicting turbulent particle pair diffusion, overcoming the limitations of the prevalent Richardson–Obukhov theory. Physics of Fluids, 2021, 33, 035135.	4.0	4
3	Turbulent particle pair diffusion: Numerical simulations. PLoS ONE, 2019, 14, e0216207.	2.5	3
4	Finite Volume TVD Scheme for a Nonlinear Gas Transport Model in Shale Rocks. , 2019, , .		0
5	Turbulent particle pair diffusion: A theory based on local and non-local diffusional processes. PLoS ONE, 2018, 13, e0202940.	2.5	7
6	Turbulence Behind 3D Multi-Scale Sparse Grids. Journal of Physics: Conference Series, 2018, 1101, 012048.	0.4	2
7	A Realistic Transport Model with Pressure-Dependent Parameters for Gas Flow in Tight Porous Media with Application to Determining Shale Rock Properties. Transport in Porous Media, 2018, 124, 723-742.	2.6	10
8	Turbulent Diffusion of Inertial Particle Pairs Such as in Pollen and Sandstorms. Springer Proceedings in Mathematics and Statistics, 2018, , 239-247.	0.2	0
9	Residual sweeping errors in turbulent particle pair diffusion in a Lagrangian diffusion model. PLoS ONE, 2017, 12, e0189917.	2.5	4
10	Compressibility Coefficients in Nonlinear Transport Models in Unconventional Gas Reservoirs. , 2016, , 3-13.		1
11	Solutions of Time-Fractional Diffusion Equation with Reflecting and Absorbing Boundary Conditions Using Matlab. , 2016, , 15-25.		2
12	Sensitivity of the pressure distribution to the fractional order α in the fractional diffusion equation. Canadian Journal of Physics, 2015, 93, 18-36.	1.1	3
13	Time-fractional nonlinear gas transport equation in tight porous media: An application in unconventional gas reservoirs. , 2014, , .		5
14	Hilfer fractional advection–diffusion equations with power-law initial condition; a numerical study using variational iteration method. Computers and Mathematics With Applications, 2014, 68, 1161-1179.	2.7	15
15	Nonlinear Power Laws in Stretched Flame Velocities in Finite Thickness Flames: A Numerical Study Using Realistic Chemistry. Combustion Science and Technology, 2012, 184, 1787-1798.	2.3	1
16	The Response of Transient Inhomogeneous Flames to Pressure Fluctuations and Stretch: Planar and Outwardly Propagating Methane/Air Flames. Combustion Science and Technology, 2012, 184, 1799-1817.	2.3	5
17	The Effect of Preferential Diffusion on the Soot Initiation Process in Ethylene Diffusion Flames. Flow, Turbulence and Combustion, 2011, 87, 293-312.	2.6	11
18	Compression-Ignition Engine Performance and Emissions in Single and Dual Fuelling Modes with Sustainable Fuels. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
19	Global Reaction Mechanism for Ethylene Flames with Preferential Diffusion. Combustion Science and Technology, 2010, 182, 1945-1960.	2.3	9
20	The Response of Transient Inhomogeneous Flames to Pressure Fluctuations and Stretch: Planar and Outwardly Propagating Hydrogen/Air Flames. Combustion Science and Technology, 2010, 182, 1171-1192.	2.3	6
21	The chemistry of ethane dehydrogenation over a supported platinum catalyst. Journal of Catalysis, 2008, 260, 37-64.	6.2	52
22	Anomalous burning rates of flamelets induced by self-similar multiple scale (fractal and spiral) initial fields. Physical Review E, 2000, 62, 6636-6647.	2.1	3
23	A Lagrangian model for turbulent dispersion with turbulent-like flow structure: Comparison with direct numerical simulation for two-particle statistics. Physics of Fluids, 1999, 11, 1572-1580.	4.0	79
24	Eulerian and Lagrangian scaling properties of randomly advected vortex tubes. Journal of Fluid Mechanics, 1996, 326, 417-436.	3.4	15
25	Structural Diffusion in 2D and 3D Random Flows. Fluid Mechanics and Its Applications, 1996, , 619-620.	0.2	4
26	Interpolation Schemes for Three-Dimensional Velocity Fields from Scattered Data Using Taylor Expansions. Journal of Computational Physics, 1995, 119, 231-243.	3.8	13
27	Lagrangian PTV in 3D flows. Flow, Turbulence and Combustion, 1993, 51, 161-166.	0.2	7
28	Cloud dispersion models. Flow, Turbulence and Combustion, 1993, 51, 539-545.	0.2	5
29	Kinematic simulation of homogeneous turbulence by unsteady random Fourier modes. Journal of Fluid Mechanics, 1992, 236, 281-318.	3.4	368