

Guillermo Terrones

List of Publications by Year in descending order

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23
papers

798
citations

566801

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676716

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g-index

31
all docs

31
docs citations

31
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite boundary effects on the spherical Rayleigh-Taylor instability between viscous fluids. AIP Advances, 2022, 12, 045009.	0.6	1
2	Rayleigh-Taylor instability at spherical interfaces between viscous fluids: The fluid/fluid interface. Physics of Fluids, 2020, 32, 094105.	1.6	21
3	Rayleigh-Taylor instability at spherical interfaces between viscous fluids: Fluid/vacuum interface. Physics of Fluids, 2015, 27, .	1.6	24
4	Ejecta source model based on the nonlinear Richtmyer-Meshkov instability. Journal of Applied Physics, 2013, 113, .	1.1	105
5	The study of high-speed surface dynamics using a pulsed proton beam. AIP Conference Proceedings, 2012, , .	0.3	21
6	Burn front and reflected shock wave visualization in an inertially confined detonation of high explosive. AIP Conference Proceedings, 2012, , .	0.3	1
7	Quantification of ejecta from shock loaded metal surfaces. AIP Conference Proceedings, 2012, , .	0.3	7
8	Elastic stability and the onset of plastic flow in accelerated solid plates. Journal of Applied Physics, 2007, 102, 034908.	1.1	13
9	The Effect of Cook-Off on the Bulk Permeability of a Plastic Bonded Explosive. Propellants, Explosives, Pyrotechnics, 2006, 31, 333-342.	1.0	8
10	Fastest growing linear Rayleigh-Taylor modes at solid-fluid and solid-solid interfaces. Physical Review E, 2005, 71, 036306.	0.8	55
11	Diffusion-Induced Nonuniformity of Photoinitiation in a Photobleaching Medium. Macromolecules, 2004, 37, 1565-1575.	2.2	29
12	Nonuniformity of Chain-Length Distributions in Photopolymerized Layers. Macromolecules, 2003, 36, 6346-6358.	2.2	18
13	Structure, Chirality, and Formation of Giant Icosahedral Fullerenes and Spherical Graphitic Onions. Structural Chemistry, 2002, 13, 373-384.	1.0	53
14	Effects of Optical Attenuation and Consumption of a Photobleaching Initiator on Local Initiation Rates in Photopolymerizations. Macromolecules, 2001, 34, 3195-3204.	2.2	120
15	Effects of Kinetics and Optical Attenuation on the Completeness, Uniformity, and Dynamics of Monomer Conversion in Free-Radical Photopolymerizations. Macromolecules, 2001, 34, 8894-8906.	2.2	41
16	Application of the Carreau Model to Tape-Casting Fluid Mechanics. Journal of the American Ceramic Society, 1997, 80, 3151-3156.	1.9	14
17	Convective stability of gravity-modulated doubly cross-diffusive fluid layers. Journal of Fluid Mechanics, 1993, 255, 301.	1.4	20
18	Cross-diffusion effects on the stability criteria in a triply diffusive system. Physics of Fluids A, Fluid Dynamics, 1993, 5, 2172-2182.	1.6	37

#	ARTICLE	IF	CITATIONS
19	Effects of g-jitter and cross-diffusion on the onset of convection in doubly diffusive systems. , 1992, , .		0
20	Absorbance, light intensity, mass transfer, and sampling time effects in a proposed mechanism for the photolysis of phenyl azide. Journal of the American Chemical Society, 1991, 113, 2132-2140.	6.6	11
21	Stability and Bifurcation of Spatially Coherent Solutions of the Damped-Driven NLS Equation. SIAM Journal on Applied Mathematics, 1990, 50, 791-818.	0.8	49
22	The onset of convective instability in a triply diffusive fluid layer. Journal of Fluid Mechanics, 1989, 202, 443-465.	1.4	91
23	The onset of convection in a multicomponent fluid layer. Physics of Fluids A, Fluid Dynamics, 1989, 1, 845-853.	1.6	34