Tommaso Ruggeri

List of Publications by Year
in descending order

200 papers	3,764 citations	126708 33 h-index	161609 54 g-index
232 all docs	232 docs citations	232 times ranked	625 citing authors

#	Article	IF	Citations
1	Extended Thermodynamics. Springer Tracts in Natural Philosophy, 1993, , .	0.8	295
2	Hyperbolic Principal Subsystems: Entropy Convexity and Subcharacteristic Conditions. Archive for Rational Mechanics and Analysis, 1997, 137, 305-320.	1.1	185
3	Rational Extended Thermodynamics beyond the Monatomic Gas. , 2015, , .		140
4	Extended thermodynamics of dense gases. Continuum Mechanics and Thermodynamics, 2012, 24, 271-292.	1.4	113
5	On the shock structure problem for hyperbolic system of balance laws and convex entropy. Continuum Mechanics and Thermodynamics, 1998, 10, 285-292.	1.4	112
6	Moment equations in the kinetic theory of gases and wave velocities. Continuum Mechanics and Thermodynamics, 1997, 9, 205-212.	1.4	100
7	Hyperbolicity of the 3+1 system of Einstein equations. Communications in Mathematical Physics, 1983, 89, 269-275.	1.0	99
8	On the evolution law of weak discontinuities for hyperbolic quasi-linear systems. Wave Motion, 1979, 1, 149-152.	1.0	97
9	Entropy Principle and Recent Results in Non-Equilibrium Theories. Entropy, 2014, 16, 1756-1807.	1.1	93
10	Maximum entropy principle for rarefied polyatomic gases. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1302-1317.	1.2	92
11	Extended thermodynamics of real gases with dynamic pressure: An extension of MeixnerÊ¼s theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2799-2803.	0.9	87
12	Admissible shock waves and shock-induced phase transitions in a van der Waals fluid. Physics of Fluids, 2011, 23, .	1.6	77
13	Thermodynamic theory of the shock wave structure in a rarefied polyatomic gas: Beyond the Bethe-Teller theory. Physical Review E, 2014, 89, 013025.	0.8	71
14	Effect of the dynamic pressure on the shock wave structure in a rarefied polyatomic gas. Physics of Fluids, 2014, 26, .	1.6	70
15	Molecular extended thermodynamics of rarefied polyatomic gases and wave velocities for increasing number of moments. Annals of Physics, 2014, 345, 111-140.	1.0	66
16	Stability of constant equilibrium state for dissipative balance laws system with a convex entropy. Quarterly of Applied Mathematics, 2004, 62, 163-179.	0.5	63
17	On the hyperbolic system of a mixture of Eulerian fluids: a comparison between single- and multi-temperature models. Mathematical Methods in the Applied Sciences, 2007, 30, 827-849.	1.2	63
18	Dispersion relation for sound in rarefied polyatomic gases based on extended thermodynamics. Continuum Mechanics and Thermodynamics, 2013, 25, 727-737.	1.4	58

#	Article	IF	Citations
19	Emergent Dynamics of a Thermodynamically Consistent Particle Model. Archive for Rational Mechanics and Analysis, 2017, 223, 1397-1425.	1.1	55
20	Reflection and transmission of discontinuity waves through a shock wave. General theory including also the case of characteristic shocks. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1979, 83, 17-24.	0.8	54
21	Monatomic rarefied gas as a singular limit of polyatomic gas in extended thermodynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2136-2140.	0.9	49
22	Breakdown of shock-wave-structure solutions. Physical Review E, 1993, 47, 4135-4140.	0.8	48
23	Non-linear extended thermodynamics of real gases with 6 fields. International Journal of Non-Linear Mechanics, 2015, 72, 6-15.	1.4	48
24	Classical and Relativistic Rational Extended Thermodynamics of Gases. , 2021, , .		44
25	Interaction between a shock and an acceleration wave in a perfect gas for increasing shock strength. Wave Motion, 2008, 45, 498-517.	1.0	43
26	Overshoot of the non-equilibrium temperature in the shock wave structure of a rarefied polyatomic gas subject to the dynamic pressure. International Journal of Non-Linear Mechanics, 2016, 79, 66-75.	1.4	42
27	Dynamical pressure in a polyatomic gas: Interplay between kinetic theory and extended thermodynamics. Kinetic and Related Models, 2018, 11, 71-95.	0.5	42
28	Average temperature and Maxwellian iteration in multitemperature mixtures of fluids. Physical Review E, 2009, 80, 026317.	0.8	41
29	Emergent Behaviors of Thermodynamic Cucker--Smale Particles. SIAM Journal on Mathematical Analysis, 2018, 50, 3092-3121.	0.9	41
30	Rational extended thermodynamics of a rarefied polyatomic gas with molecular relaxation processes. Physical Review E, 2017, 96, 042143.	0.8	40
31	Relativistic extended thermodynamics of rarefied polyatomic gas. Annals of Physics, 2017, 377, 414-445.	1.0	39
32	Interaction between a discontinuity wave and a shock wave: critical time for the fastest transmitted wave, example of the polytropic fluid. Applicable Analysis, 1980, 11, 103-112.	0.6	38
33	The dynamics of spreading and immune strategies of sexually transmitted diseases on scale-free network. Journal of Mathematical Analysis and Applications, 2010, 365, 210-219.	0.5	37
34	Identification of an average temperature and a dynamical pressure in a multitemperature mixture of fluids. Physical Review E, 2008, 78, 016303.	0.8	35
35	Heat conduction in multi-temperature mixtures of fluids: the role of the average temperature. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3052-3055.	0.9	35
36	Maximum wave velocity in the moments system of a relativistic gas. Continuum Mechanics and Thermodynamics, 1999, 11, 107-111.	1.4	34

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37	Entropy principle for the moment systems of degree α associated to the Boltzmann equation. Critical derivatives and non controllable boundary data. Continuum Mechanics and Thermodynamics, 2002, 14, 165-189.	1.4	34
38	Can constitutive relations be represented by non-local equations?. Quarterly of Applied Mathematics, 2012, 70, 597-611.	0.5	31
39	On the six-field model of fluids based on extended thermodynamics. Meccanica, 2014, 49, 2181-2187.	1.2	31
40	Shock structure and temperature overshoot in macroscopic multi-temperature model of mixtures. Physics of Fluids, 2014, 26, .	1.6	30
41	Convex covariant entropy density, symmetric conservative form, and shock waves in relativistic magnetohydrodynamics. Journal of Mathematical Physics, 1981, 22, 1824-1827.	0.5	29
42	Stationary heat conduction in radially, symmetric situations â€" an application of extended thermodynamics. Journal of Non-Newtonian Fluid Mechanics, 2004, 119, 139-143.	1.0	29
43	Entropy Production and Admissibility of Shocks. Acta Mathematicae Applicatae Sinica, 2003, 19, 1-12.	0.4	28
44	Extended Thermodynamics of Rarefied Polyatomic Gases: 15-Field Theory Incorporating Relaxation Processes of Molecular Rotation and Vibration. Entropy, 2018, 20, 301.	1.1	28
45	On the MÃ¼ller paradox for thermal-incompressible media. Continuum Mechanics and Thermodynamics, 2012, 24, 505-513.	1.4	25
46	From the Relativistic Mixture of Gases to the Relativistic Cuckerâ€"Smale Flocking. Archive for Rational Mechanics and Analysis, 2020, 235, 1661-1706.	1.1	24
47	Monatomic gas as a singular limit of polyatomic gas in molecular extended thermodynamics with many moments. Annals of Physics, 2016, 372, 83-109.	1.0	23
48	Shock structure and multiple sub-shocks in binary mixtures of Eulerian fluids. Ricerche Di Matematica, 2017, 66, 221-231.	0.6	23
49	Uniform stability and mean-field limit of a thermodynamic Cucker-Smale model. Quarterly of Applied Mathematics, 2018, 77, 131-176.	0.5	23
50	Relativistic gas: Moment equations and maximum wave velocity. Journal of Mathematical Physics, 1999, 40, 6399-6406.	0.5	21
51	A Study of Linear Waves Based on Extended Thermodynamics for Rarefied Polyatomic Gases. Acta Applicandae Mathematicae, 2014, 132, 15-25.	0.5	21
52	On the sub-shock formation in extended thermodynamics. International Journal of Non-Linear Mechanics, 2018, 99, 69-78.	1.4	20
53	A New BGK Model for Relativistic Kinetic Theory of Monatomic and Polyatomic Gases. Journal of Physics: Conference Series, 2018, 1035, 012005.	0.3	19
54	Shock Wave Structure in a Rarefied Polyatomic Gas Based on Extended Thermodynamics. Acta Applicandae Mathematicae, 2014, 132, 583-593.	0.5	18

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55	A new method to exploit the Entropy Principle and galilean invariance in the macroscopic approach of Extended Thermodynamics. Ricerche Di Matematica, 2006, 55, 159-179.	0.6	17
56	Multi-temperature mixture of fluids. Theoretical and Applied Mechanics, 2009, 36, 207-238.	0.1	17
57	Recent results on nonlinear extended thermodynamics of real gases with six fields Part I: general theory. Ricerche Di Matematica, 2016, 65, 263-277.	0.6	16
58	Phase transition induced by a shock wave in hard-sphere and hard-disk systems. Journal of Chemical Physics, 2008, 129, 054506.	1.2	15
59	AN IMPULSIVE DIFFERENTIAL MODEL ON POST EXPOSURE PROPHYLAXIS TO HIV-1 EXPOSED INDIVIDUAL. Journal of Biological Systems, 2009, 17, 659-683.	0.5	15
60	A consistent thermodynamical model of incompressible media as limit case of quasi-thermal-incompressible materials. International Journal of Non-Linear Mechanics, 2012, 47, 688-693.	1.4	15
61	Recent Developments in Extended Thermodynamics of Dense and Rarefied Polyatomic Gases. Acta Applicandae Mathematicae, 2014, 132, 527-548.	0.5	15
62	Extended thermodynamics of dense gases in the presence of dynamic pressure. Ricerche Di Matematica, 2015, 64, 403-419.	0.6	15
63	Production terms in relativistic extended thermodynamics of gas with internal structure via a new BGK model. Annals of Physics, 2019, 405, 298-307.	1.0	15
64	Duality principle from rarefied to dense gas and extended thermodynamics with six fields. Physical Review Fluids, 2017, 2, .	1.0	15
65	Similarity Solutions and Strong Shocks in Extended Thermodynamics of Rarefied Gas. Journal of Mathematical Analysis and Applications, 2000, 251, 395-405.	0.5	14
66	A time delay model about AIDS-related cancer: equilibria, cycles and chaotic behavior. Ricerche Di Matematica, 2007, 56, 195-208.	0.6	14
67	Shock-induced phase transition in systems of hard spheres with internal degrees of freedom. Physical Review E, 2010, 81, 066307.	0.8	14
68	Prediction and simulation of compressive shocks with lower perturbed density for increasing shock strength in real gases. Physical Review E, 2010, 82, 036324.	0.8	14
69	A global existence of classical solutions to the hydrodynamic Cucker–Smale model in presence of a temperature field. Analysis and Applications, 2018, 16, 757-805.	1.2	14
70	Second-order approximation of extended thermodynamics of a monatomic gas and hyperbolicity region. Continuum Mechanics and Thermodynamics, 2020, 32, 23-39.	1.4	14
71	Classical Limit of Relativistic Moments Associated with Boltzmann–Chernikov Equation: Optimal Choice of Moments in Classical Theory. Journal of Statistical Physics, 2020, 179, 231-246.	0.5	14
72	Temperature jumps at the boundary of a rarefied gas. Continuum Mechanics and Thermodynamics, 2000, 12, 19-29.	1.4	13

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73	Dispersion relation in the limit of high frequency for a hyperbolic system with multiple eigenvalues. Wave Motion, 2014, 51, 955-966.	1.0	13
74	Relativistic Eulerian rarefied gas with internal structure. Journal of Mathematical Physics, 2018, 59, .	0.5	13
75	Energy momentum, wave velocities and characteristic shocks in Euler's variational equations with application to the Born–Infeld theory. Journal of Mathematical Physics, 2004, 45, 3468-3478.	0.5	12
76	Monatomic limit of relativistic extended thermodynamics of polyatomic gas. Continuum Mechanics and Thermodynamics, 2019, 31, 401-412.	1.4	12
77	Nonlinear Hyperbolic Waves in Relativistic Gases of Massive Particles with Synge Energy. Archive for Rational Mechanics and Analysis, 2021, 239, 1061-1109.	1.1	12
78	Hyperbolicity and wave propagation in extended thermodynamics. Meccanica, 1989, 24, 127-138.	1.2	11
79	The Bénard problem for quasi-thermal-incompressible materials: A linear analysis. International Journal of Non-Linear Mechanics, 2014, 67, 178-185.	1.4	11
80	Rational extended thermodynamics of dense polyatomic gases incorporating molecular rotation and vibration. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190176.	1.6	11
81	Maximum velocity for wave propagation in a relativistic rarefied gas. Continuum Mechanics and Thermodynamics, 1999, 11, 331-338.	1.4	10
82	Shock wave structure in rarefied polyatomic gases with large relaxation time for the dynamic pressure. Journal of Physics: Conference Series, 2018, 1035, 012009.	0.3	10
83	Maximum entropy principle closure for 14-moment system for a non-polytropic gas. Ricerche Di Matematica, 2021, 70, 207-222.	0.6	10
84	Modeling Cancer in HIV-1 Infected Individuals: Equilibria, Cycles and Chaotic Behavior. Mathematical Biosciences and Engineering, 2006, 3, 313-324.	1.0	10
85	Onde di discontinuità ed equazioni costitutive nei corpi elastici isotropi sottoposti a deformazioni finite. Annali Di Matematica Pura Ed Applicata, 1977, 112, 315-332.	0.5	9
86	Acceleration waves, shock formation and stability in a gravitating atmosphere. Astrophysics and Space Science, 1989, 153, 127-142.	0.5	9
87	The Entropy Principle from Continuum Mechanics to Hyperbolic Systems of Balance Laws: The Modern Theory of Extended Thermodynamics. Entropy, 2008, 10, 319-333.	1.1	9
88	Non-polytropic effect on shock-induced phase transitions in a hard-sphere system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3315-3318.	0.9	9
89	WASCOM XVI—International Conference on Waves and Stability in Continuous Media. Acta Applicandae Mathematicae, 2012, 122, 1.	0.5	9
90	The Riemann problem for a hyperbolic model of incompressible fluids. International Journal of Non-Linear Mechanics, 2013, 51, 87-96.	1.4	9

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91	The Binary Mixtures of Euler Fluids: A Unified Theory of Second Sound Phenomena. , 2001, , 79-91.		9
92	On the shock structure problem in non-equilibrium Thermodynamics of gases. Transport Theory and Statistical Physics, 1996, 25, 567-574.	0.4	8
93	Emergent Behaviors of Thermodynamic Kuramoto Ensemble on a Regular Ring Lattice. Journal of Statistical Physics, 2020, 181, 917-943.	0.5	8
94	Maxwellian iteration of a causal relativistic model of polyatomic gases and evaluation of bulk, shear viscosity and heat conductivity. Annals of Physics, 2021, 428, 168447.	1.0	8
95	Shock Waves in Hyperbolic Systems of Nonequilibrium Thermodynamics. Mathematics of Planet Earth, 2019, , 167-186.	0.1	8
96	Non existence of shock structure solutions for hyperbolic dissipative systems including characteristic shocks. Applicable Analysis, 1995, 57, 23-33.	0.6	7
97	The Lagrangian View-Point Compared with the Eulerian One, in the Framework of Extended Thermodynamics. Acta Applicandae Mathematicae, 2014, 132, 199-212.	0.5	7
98	Recent results on nonlinear extended thermodynamics of real gases with six fields Part II: shock wave structure. Ricerche Di Matematica, 2016, 65, 279-288.	0.6	7
99	A 2 $$\times$$ Ã— 2 simple model in which the sub-shock exists when the shock velocity is slower than the maximum characteristic velocity. Ricerche Di Matematica, 2019, 68, 119-129.	0.6	7
100	Which moments are appropriate to describe gases with internal structure in Rational Extended Thermodynamics?. International Journal of Non-Linear Mechanics, 2021, 137, 103820.	1.4	7
101	On invariance in 1+1-dimensional isentropic relativistic gasdynamics. Wave Motion, 2020, 94, 102527.	1.0	7
102	Entropy Principle, Symmetric Hyperbolic Systems and Shock Waves. North-Holland Mathematics Studies, 1984, 97, 211-220.	0.2	6
103	Hyperbolicity, convexity and shock waves in one-dimensional crystalline solids. Journal of Physics A, 2005, 38, 4337-4347.	1.6	6
104	CYCLES AND CHAOTIC BEHAVIOR IN AN AIDS-RELATED CANCER DYNAMIC MODELIN VIVO. Journal of Biological Systems, 2007, 15, 149-168.	0.5	6
105	Shock structure in extended thermodynamics with second-order maximum entropy principle closure. Continuum Mechanics and Thermodynamics, 2021, 33, 125-150.	1.4	6
106	THE RIEMANN PROBLEM FOR A BINARY NON-REACTING MIXTURE OF EULER FLUIDS. , 2004, , .		6
107	On relativistic gasdynamics: invariance under a class of reciprocal-type transformations and integrable Heisenberg spin connections. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, .	1.0	6
108	On a Relativistic BGK Model for Polyatomic Gases Near Equilibrium. SIAM Journal on Mathematical Analysis, 2022, 54, 2906-2947.	0.9	6

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109	A complete classification of sub-shocks in the shock structure of a binary mixture of Eulerian gases with different degrees of freedom. Physics of Fluids, 2022, 34, .	1.6	6
110	Relativistic extended thermodynamics: General assumptions and mathematical procedure. Lecture Notes in Mathematics, 1989, , 269-277.	0.1	5
111	Travelling waves near a critical point of a binary fluid mixture. International Journal of Non-Linear Mechanics, 2012, 47, 77-84.	1.4	5
112	Non-equilibrium diffusion temperatures in mixture of gases via Maxwellian iteration. Ricerche Di Matematica, 2017, 66, 293-312.	0.6	5
113	Integrability properties for relativistic extended thermodynamics of polyatomic gas. Ricerche Di Matematica, 2019, 68, 57-73.	0.6	5
114	Hyperbolicity of first and second order extended thermodynamics theory of polyatomic rarefied gases. International Journal of Non-Linear Mechanics, 2020, 124, 103517.	1.4	5
115	Kinetic and hydrodynamic models for the relativistic Cuckerâ€"Smale ensemble and emergent behaviors. Communications in Mathematical Sciences, 2021, 19, 1945-1990.	0.5	5
116	q-Gaussian integrable Hamiltonian reductions in anisentropic gasdynamics. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 2297-2312.	0.5	5
117	Relativistic Rational Extended Thermodynamics of Polyatomic Gases with a New Hierarchy of Moments. Entropy, 2022, 24, 43.	1.1	5
118	Global existence of smooth solutions and stability of the constant state for dissipative hyperbolic systems with applications to extended thermodynamics. , 2005, , 215-224.		4
119	Galilean invariance and entropy principle for a system of balance laws of mixture type. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2017, 28, 495-513.	0.3	3
120	GLOBAL EXISTENCE, STABILITY AND NON LINEAR WAVE PROPAGATION IN BINARY MIXTURES OF EULER FLUIDS. , 2005, , .		3
121	Extended thermodynamics of rarefied polyatomic gases and characteristic velocities. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2014, 25, 275-291.	0.3	3
122	Some Recent Results on Multi-temperature Mixture of Fluids. , 2010, , 39-57.		2
123	Fluid mixtures in nanotubes. Physical Review E, 2018, 97, 062152.	0.8	2
124	Molecular Extended Thermodynamics of Rarefied Polyatomic Gases with a New Hierarchy of Moments. Fluids, 2021, 6, 62.	0.8	2
125	Rational extended thermodynamics: a link between kinetic theory and continuum theory. Rendiconti Lincei, 2020, 31, 33-38.	1.0	2
126	SOME RECENT MATHEMATICAL RESULTS IN MIXTURES THEORY OF EULER FLUIDS. , 2004, , .		2

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127	Shock Wave Admissibility and Shock-induced Phase Transitions in a van der Waals Fluid. Series in Contemporary Applied Mathematics, 2012, , 559-567.	0.8	1
128	The Propagation of Shock Waves in Incompressible Fluids: The Case of Freshwater. Acta Applicandae Mathematicae, 2014, 132, 427-437.	0.5	1
129	Molecular extended thermodynamics: comparison between rarefied polyatomic and monatomic gas closures. Ricerche Di Matematica, 2017, 66, 1-13.	0.6	1
130	Symmetric form for the hyperbolic-parabolic system of fourth-gradient fluid model. Ricerche Di Matematica, 2017, 66, 491-508.	0.6	1
131	Similarity solution of strong spherical shock waves in a rarefied polyatomic gas based on extended thermodynamics. AIP Conference Proceedings, 2019, , .	0.3	1
132	Classical and ultrarelativistic limits of the Riemann problem for the relativistic Euler fluid with Synge energy. Ricerche Di Matematica, 2021, 70, 223-233.	0.6	1
133	Emergent behaviors of the continuum thermodynamic Kuramoto model in a large coupling regime. Journal of Differential Equations, 2021, 300, 519-564.	1.1	1
134	Shock Structure and Temperature Overshoot in Macroscopic Model of Mixtures. , 2015, , 339-349.		1
135	Godunov Symmetric Systems and Rational Extended Thermodynamics. , 2020, , 321-327.		1
136	Relativistic Kinetic Theory of Polyatomic Gases: Classical Limit of a New Hierarchy of Moments and Qualitative Analysis. SN Partial Differential Equations and Applications, 2022, 3, .	0.3	1
137	Dynamical pressure for fluid mixtures with several temperatures. Mecanique Et Industries, 2009, 10, 239-243.	0.2	0
138	Meccanica lagrangiana. Unitext, 2016, , 311-355.	0.0	0
139	System of Balance Laws of Mixture Type: Mixture of Dissipative Polyatomic Gases. , 2021, , 597-606.		0
140	Multi-Temperature Mixture of Fluids. , 2021, , 547-573.		0
141	Hyperbolic Parabolic Limit, Maxwellian Iteration, and Objectivity. , 2021, , 619-626.		0
142	Open Problems and Outlook. , 2021, , 627-630.		0
143	Relativistic Mixture of Gases and Relativistic Cucker-Smale Model. , 2021, , 607-616.		0
144	Many-Moment RET of Relativistic Polyatomic Gas and Classical Optimal Limit. , 2021, , 539-544.		0

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145	Flocking and Thermodynamical Cucker-Smale Model. , 2021, , 591-596.		0
146	Uniform stability and uniform-in-time mean-field limit of the thermodynamic Kuramoto model. Quarterly of Applied Mathematics, 2021, 79, 445-478.	0.5	0
147	ON THE SHIZUTA–KAWASHIMA COUPLING CONDITION FOR DISSIPATIVE HYPERBOLIC SYSTEMS AND ACCELERATION WAVES. , 2006, , .		0
148	From Extended Thermodynamics to Granular Materials. Lecture Notes in Mathematics, 2008, , 91-107.	0.1	0
149	Dinamica del punto materiale. Unitext, 2013, , 173-195.	0.0	0
150	Cinematica del corpo rigido. Unitext, 2013, , 9-36.	0.0	0
151	Leggi della Meccanica. Unitext, 2013, , 115-124.	0.0	0
152	Forze, lavoro, potenziale. Unitext, 2013, , 95-113.	0.0	0
153	Sistemi vincolati. Unitext, 2013, , 47-74.	0.0	0
154	Forze, lavoro, potenziale. Unitext, 2014, , 105-123.	0.0	0
155	Cinematica del corpo rigido. Unitext, 2014, , 9-36.	0.0	0
156	Dinamica del corpo rigido. Unitext, 2014, , 235-272.	0.0	0
157	Cinematica relativa. Unitext, 2014, , 37-46.	0.0	0
158	Meccanica lagrangiana. Unitext, 2014, , 299-342.	0.0	0
159	Sistemi vincolati. Unitext, 2014, , 47-81.	0.0	0
160	Application of ET6: Shock Wave and Sub-shock Formation. , 2015, , 279-291.		0
161	Nonequilibrium Temperature and Chemical Potential. , 2015, , 299-305.		0
162	Mathematical Structure. , 2015, , 35-53.		0

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163	Waves in Hyperbolic Systems. , 2015, , 55-76.		0
164	Shock Wave in a Polyatomic Gas. , 2015, , 173-192.		0
165	Non-linear ET6 and the Role of the Dynamic Pressure: Phenomenological Approach. , 2015, , 245-269.		0
166	Light Scattering, Heat Conduction, and Fluctuation. , 2015, , 193-210.		0
167	Linear Wave in a Polyatomic Gas. , 2015, , 155-171.		0
168	Molecular ET Theory of Rarefied Polyatomic Gas. , 2015, , 213-241.		0
169	RET 14-Field Theory of Polyatomic Gas and Dense Gas. , 2015, , 109-137.		0
170	Hyperbolic Parabolic Limit, Maxwellian Iteration and Objectivity. , 2015, , 353-361.		0
171	Sistemi vincolati. Unitext, 2016, , 49-86.	0.0	0
172	Dinamica del corpo rigido. Unitext, 2016, , 249-284.	0.0	0
173	Cinematica relativa. Unitext, 2016, , 39-48.	0.0	0
174	Meccanica relativa. Unitext, 2016, , 285-309.	0.0	0
175	Statica dei continui monodimensionali. Unitext, 2016, , 357-374.	0.0	0
176	Dinamica dei sistemi. Unitext, 2016, , 217-247.	0.0	0
177	Leggi della Meccanica. Unitext, 2016, , 133-145.	0.0	0
178	Dinamica del punto materiale. Unitext, 2016, , 199-215.	0.0	0
179	Cinematica del punto. Unitext, 2016, , 1-7.	0.0	0
180	Geometria delle masse. Unitext, 2016, , 87-107.	0.0	0

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181	Cinematica del corpo rigido. Unitext, 2016, , 9-37.	0.0	0
182	Molecular Extended Thermodynamics of a Rarefied Polyatomic Gas. Springer INdAM Series, 2018, , 265-287.	0.4	0
183	Multiscale Phenomena in Continuum Mechanics: Mesoscopic Justification of Rational Extended Thermodynamics of Gases with Internal Structure. Advances in Mechanics and Mathematics, 2020, , 225-250.	0.2	0
184	Linear Sound Wave in a Rarefied Polyatomic Gas. , 2021, , 361-387.		0
185	Shock Wave in a Polyatomic Gas Analyzed by ET14. , 2021, , 389-407.		0
186	Shock Wave and Subshock Formation Analyzed by ET6. , 2021, , 409-431.		0
187	Mathematical Structure. , 2021, , 41-65.		0
188	Acceleration Wave, K-condition, and Global Existence in ET6. , 2021, , 439-444.		0
189	Light Scattering. , 2021, , 445-450.		0
190	Heat Conduction. , 2021, , 451-456.		0
191	RET of Dense Polyatomic Gas with Six Fields. , 2021, , 465-487.		0
192	RET of Dense Polyatomic Gas with Seven Fields. , 2021, , 489-514.		0
193	Relativistic Polyatomic Gas. , 2021, , 517-537.		0
194	Waves in Hyperbolic Systems. , 2021, , 67-106.		0
195	RET of Rarefied Monatomic Gas: Non-relativistic Theory. , 2021, , 109-157.		0
196	Relativistic RET of Rarefied Monatomic Gas. , 2021, , 159-175.		0
197	Macroscopic Theory of Rarefied Polyatomic Gas with 14 Fields. , 2021, , 179-200.		0
198	Relaxation Processes of Molecular Rotation and Vibration: ET15. , 2021, , 219-242.		0

#	ARTICLE	IF	CITATIONS
199	Nesting Theory of Many Moments and Maximum Entropy Principle. , 2021, , 243-271.		0
200	Nonequilibrium Temperature and Chemical Potential. , 2021, , 353-357.		0