

# Vincenzo Tibullo

## List of Publications by Year in descending order

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61  
papers

826  
citations

516681

16  
h-index

552766

26  
g-index

61  
all docs

61  
docs citations

61  
times ranked

446  
citing authors

#	ARTICLE	IF	CITATIONS
1	A uniqueness result for the Cattaneo-Christov heat conduction model applied to incompressible fluids. <i>Mechanics Research Communications</i> , 2011, 38, 77-79.	1.8	211
2	On the thermomechanical consistency of the time differential dual-phase-lag models of heat conduction. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 277-285.	4.8	46
3	Rayleigh surface waves in the theory of thermoelastic materials with voids. <i>Meccanica</i> , 2014, 49, 2069-2078.	2.0	30
4	Rayleigh Surface Waves on a Kelvin-Voigt Viscoelastic Half-Space. <i>Journal of Elasticity</i> , 2014, 115, 61-76.	1.9	27
5	On the wave propagation in the time differential dual-phase-lag thermoelastic model. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150400.	2.1	27
6	On microstretch thermoviscoelastic composite materials. <i>European Journal of Mechanics, A/Solids</i> , 2013, 37, 294-303.	3.7	24
7	Stability and Thermodynamic Restrictions for a Dual-Phase-Lag Thermal Model. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2017, 42, .	4.2	24
8	Plane harmonic waves in strongly elliptic thermoelastic materials with microtemperatures. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 424, 1186-1197.	1.0	23
9	Fermi-Dirac distributions for quark partons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994, 62, 431-436.	1.5	22
10	A thermoelastic diffusion theory with microtemperatures and microconcentrations. <i>Journal of Thermal Stresses</i> , 2017, 40, 486-501.	2.0	22
11	Fundamental Solution in the Theory of Micropolar Thermoelasticity without Energy Dissipation. <i>Journal of Thermal Stresses</i> , 2006, 29, 57-66.	2.0	21
12	Structural stability for a rigid body with thermal microstructure. <i>International Journal of Engineering Science</i> , 2010, 48, 592-598.	5.0	19
13	Some Results in Linear Theory of Thermoelasticity Backward in Time for Microstretch Materials. <i>Journal of Thermal Stresses</i> , 2010, 33, 559-576.	2.0	18
14	Nonlinear heat-transport equation beyond Fourier law: application to heat-wave propagation in isotropic thin layers. <i>Continuum Mechanics and Thermodynamics</i> , 2017, 29, 411-428.	2.2	18
15	Structural stability for a thermal convection model with temperature-dependent solubility. <i>Nonlinear Analysis: Real World Applications</i> , 2015, 22, 34-43.	1.7	17
16	On the strong ellipticity for orthotropic micropolar elastic bodies in a plane strain state. <i>Mechanics Research Communications</i> , 2011, 38, 512-517.	1.8	16
17	On the Heat-Flux Dependent Thermoelasticity for Micropolar Porous Media. <i>Journal of Thermal Stresses</i> , 2011, 34, 778-794.	2.0	15
18	Qualitative properties of solutions in the time differential dual-phase-lag model of heat conduction. <i>Applied Mathematical Modelling</i> , 2017, 50, 380-393.	4.2	14

#	ARTICLE	IF	CITATIONS
19	Christovâ€™Morro theory for non-isothermal diffusion. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 1224-1228.	1.7	13
20	Decay properties of solutions of a Mindlin-type plate model for rhombic systems. <i>Journal of Mechanics of Materials and Structures</i> , 2010, 5, 323-339.	0.6	12
21	Anisotropic effects on poroacoustic acceleration waves. <i>Mechanics Research Communications</i> , 2010, 37, 137-140.	1.8	11
22	Modelling boundary and nonlinear effects in porous media flow. <i>Nonlinear Analysis: Real World Applications</i> , 2011, 12, 2839-2843.	1.7	11
23	Rayleigh waves in isotropic strongly elliptic thermoelastic materials with microtemperatures. <i>Meccanica</i> , 2017, 52, 3033-3041.	2.0	11
24	Asymptotic behavior in Form II Mindlinâ€™s strain gradient theory for porous thermoelastic diffusion materials. <i>Journal of Thermal Stresses</i> , 2020, 43, 191-209.	2.0	11
25	Explicit results for scattering parameters in three-dimensional wave propagation through a doubly periodic system of arbitrary openings. <i>Acta Mechanica</i> , 2006, 185, 1-9.	2.1	10
26	On the three-dimensional wave propagation through cascading screens having a periodic system of arbitrary openings. <i>International Journal of Engineering Science</i> , 2008, 46, 105-118.	5.0	10
27	Poroacoustic waves under a mixture-theoretic based reformulation of the Jordanâ€™Darcyâ€™Cattaneo model. <i>Wave Motion</i> , 2017, 71, 82-92.	2.0	10
28	Acceleration waves in a nonlinear Biot theory of porous media. <i>International Journal of Non-Linear Mechanics</i> , 2018, 103, 23-26.	2.6	10
29	Exponential stability in Mindlinâ€™s Form II gradient thermoelasticity with microtemperatures of type III. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200459.	2.1	10
30	Analytical aspects in strain gradient theory for chiral Cosserat thermoelastic materials within three Green-Naghdi models. <i>Journal of Thermal Stresses</i> , 2019, 42, 681-697.	2.0	9
31	ON THE SPATIAL BEHAVIOR IN THE DYNAMIC THEORY OF MIXTURES OF THERMOELASTIC SOLIDS. <i>Journal of Thermal Stresses</i> , 2004, 28, 63-82.	2.0	8
32	On the Uniqueness in Dynamical Thermoelasticity Backward in Time for Porous Media. <i>Journal of Thermal Stresses</i> , 2013, 36, 501-515.	2.0	8
33	A bending theory of thermoelastic diffusion plates based on Green-Naghdi theory. <i>European Journal of Mechanics, A/Solids</i> , 2017, 65, 123-135.	3.7	8
34	Heat-pulse propagation in functionally graded thin layers. <i>International Journal of Engineering Science</i> , 2017, 119, 78-92.	5.0	8
35	On the propagation of Rayleigh waves in a strongly elliptic thermoelastic material with microtemperatures. <i>Journal of Thermal Stresses</i> , 2016, 39, 1111-1118.	2.0	7
36	Well-posedness and exponential stability in binary mixtures theory for thermoviscoelastic diffusion materials. <i>Journal of Thermal Stresses</i> , 2018, 41, 1414-1431.	2.0	7

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37	P-wave propagation through elastic solids with a doubly periodic array of cracks. Quarterly Journal of Mechanics and Applied Mathematics, 2005, 58, 535-550.	1.3	6
38	A shape memory alloy model by a second order phase transition. Mechanics Research Communications, 2016, 74, 20-26.	1.8	6
39	Analyticity of solutions to thermoviscoelastic diffusion mixtures problem in higher dimension. Acta Mechanica, 2020, 231, 1125-1140.	2.1	6
40	Spatial behaviour for constrained motion of a cylinder made of a strongly elliptic anisotropic material. Journal of Mechanics of Materials and Structures, 2008, 3, 983-993.	0.6	6
41	Fermi-Dirac statistics plus liquid description of quark partons. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 631-638.	1.5	5
42	Shape memory and phase transitions for auxetic materials. Mathematical Methods in the Applied Sciences, 2014, 37, 2864-2871.	2.3	5
43	Melting and solidification of pure metals by a phase-field model. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2017, 28, 463-478.	0.6	4
44	Thermal effects on nonlinear acceleration waves in the Biot theory of porous media. Mechanics Research Communications, 2018, 94, 70-73.	1.8	4
45	On the oblique penetration of elastic waves into a finite number of equally spaced periodic arrays of obstacles. Wave Motion, 2008, 45, 518-539.	2.0	3
46	Enhancing Mathematical Teaching-Learning Process by <i>Mathematica</i> . , 2003, , .		3
47	A phase field model for a solid-liquid phase transition. Mechanics Research Communications, 2011, 38, 477-480.	1.8	2
48	Wave penetration in elastic solids with periodic array of rectangular defects: oblique incidence. Acta Mechanica, 2005, 174, 21-31.	2.1	1
49	Reconstruction of round voids in the elastic half-space: Antiplane problem. Mathematical Problems in Engineering, 2006, 2006, 1-12.	1.1	1
50	On the oblique incidence of elastic waves on a periodic array of obstacles. Wave Motion, 2006, 43, 193-205.	2.0	1
51	A mixed boundary-value problem for the wave equation in a stratified medium for high-frequency oscillations. Pribladnaya Matematika I Mekhanika, 2007, 71, 622-631.	0.4	1
52	On the Theory of Direct and Inverse Problems in the Elastic Rectangle: Antiplane Case. Research in Nondestructive Evaluation, 2008, 19, 20-43.	1.1	1
53	Wave propagation through scattering structures made by cascading screens of finite thickness. International Journal of Engineering Science, 2009, 47, 840-851.	5.0	1
54	New decay results in linear thermoelastodynamics. Mathematical Methods in the Applied Sciences, 2019, 42, 1114-1121.	2.3	1

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55	Nonlinear acceleration wave propagation in the DKM theory. <i>Mechanics Research Communications</i> , 2020, 104, 103482.	1.8	1
56	Wave propagation through cascading screens of finite thickness with periodic distribution of openings. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2009, 62, 263-279.	1.3	0
57	On the Deformation of the Surface of an Elastic Medium with a Cavity. , 2009, , .		0
58	An effective approach for designing circular pipes with the Colebrook-White formula. , 2012, , .		0
59	Seismic oscillations of an elastic rectangular structure protected by a viscoelastic stratum: in-plane problem. <i>Meccanica</i> , 2014, 49, 2013-2023.	2.0	0
60	Explosive instabilities for a generalized second grade fluid. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 432, 945-953.	1.0	0
61	Some properties of solutions in linear theory for semi-strongly elliptic porous elastic materials. <i>Meccanica</i> , 2020, 55, 103-112.	2.0	0