

Andrea Bacigalupo

List of Publications by Year in descending order

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85
papers

2,954
citations

159573

30
h-index

175241

52
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91
all docs

91
docs citations

91
times ranked

3249
citing authors

#	ARTICLE	IF	CITATIONS
1	Allogeneic hematopoietic stem cell transplantation in Fanconi anemia: the European Group for Blood and Marrow Transplantation experience. <i>Blood</i> , 2013, 122, 4279-4286.	1.4	176
2	Predictive factors for the outcome of allogeneic transplantation in patients with MDS stratified according to the revised IPSS-R. <i>Blood</i> , 2014, 123, 2333-2342.	1.4	162
3	Prospective study of rabbit antithymocyte globulin and cyclosporine for aplastic anemia from the EBMT Severe Aplastic Anaemia Working Party. <i>Blood</i> , 2012, 119, 5391-5396.	1.4	156
4	Incidence and Outcome of Invasive Fungal Diseases after Allogeneic Stem Cell Transplantation: A Prospective Study of the Gruppo Italiano Trapianto Midollo Osseo (GITMO). <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 872-880.	2.0	141
5	MPD-RC 101 prospective study of reduced-intensity allogeneic hematopoietic stem cell transplantation in patients with myelofibrosis. <i>Blood</i> , 2014, 124, 1183-1191.	1.4	135
6	Homogenization of periodic hexa- and tetrachiral cellular solids. <i>Composite Structures</i> , 2014, 116, 461-476.	5.8	133
7	Allogeneic stem cell transplantation in paroxysmal nocturnal hemoglobinuria. <i>Haematologica</i> , 2012, 97, 1666-1673.	3.5	110
8	Post-transplant cyclophosphamide <i>versus</i> anti-thymocyte globulin as graft- <i>versus</i> -host disease prophylaxis in haploidentical transplant. <i>Haematologica</i> , 2017, 102, 401-410.	3.5	109
9	Simplified modelling of chiral lattice materials with local resonators. <i>International Journal of Solids and Structures</i> , 2016, 83, 126-141.	2.7	84
10	Auxetic anti-tetrachiral materials: Equivalent elastic properties and frequency band-gaps. <i>Composite Structures</i> , 2015, 131, 530-544.	5.8	81
11	Second-gradient homogenized model for wave propagation in heterogeneous periodic media. <i>International Journal of Solids and Structures</i> , 2014, 51, 1052-1065.	2.7	67
12	Unrelated Cord Blood Transplantation. <i>Transplantation</i> , 2013, 95, 1284-1291.	1.0	66
13	Optimal design of low-frequency band gaps in anti-tetrachiral lattice meta-materials. <i>Composites Part B: Engineering</i> , 2017, 115, 341-359.	12.0	65
14	Machine-Learning Techniques for the Optimal Design of Acoustic Metamaterials. <i>Journal of Optimization Theory and Applications</i> , 2020, 187, 630-653.	1.5	62
15	Second-order homogenization of periodic materials based on asymptotic approximation of the strain energy: formulation and validity limits. <i>Meccanica</i> , 2014, 49, 1407-1425.	2.0	58
16	New Directions for Rabbit Antithymocyte Globulin (Thymoglobulin®) in Solid Organ Transplants, Stem Cell Transplants and Autoimmunity. <i>Drugs</i> , 2014, 74, 1605-1634.	10.9	57
17	Autologous hematopoietic stem cell transplantation in neuromyelitis optica: A registry study of the EBMT Autoimmune Diseases Working Party. <i>Multiple Sclerosis Journal</i> , 2015, 21, 189-197.	3.0	56
18	Optimal design of auxetic hexachiral metamaterials with local resonators. <i>Smart Materials and Structures</i> , 2016, 25, 054009.	3.5	55

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19	Primary Prophylaxis of Invasive Fungal Diseases in Allogeneic Stem Cell Transplantation: Revised Recommendations from a Consensus Process by Gruppo Italiano Trapianto Midollo Osseo (GITMO). <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 1080-1088.	2.0	54
20	A novel layered topology of auxetic materials based on the tetrachiral honeycomb microstructure. <i>Materials and Design</i> , 2019, 179, 107883.	7.0	43
21	Wave propagation in non-centrosymmetric beam-lattices with lumped masses: Discrete and micropolar modeling. <i>International Journal of Solids and Structures</i> , 2017, 118-119, 128-145.	2.7	41
22	Multi-field asymptotic homogenization of thermo-piezoelectric materials with periodic microstructure. <i>International Journal of Solids and Structures</i> , 2017, 120, 31-56.	2.7	41
23	Generalized micropolar continualization of 1D beam lattices. <i>International Journal of Mechanical Sciences</i> , 2019, 155, 554-570.	6.7	40
24	Computational two-scale homogenization of periodic masonry: Characteristic lengths and dispersive waves. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012, 213-216, 16-28.	6.6	39
25	Auxetic behavior and acoustic properties of microstructured piezoelectric strain sensors. <i>Smart Materials and Structures</i> , 2017, 26, 085037.	3.5	39
26	NON-LOCAL COMPUTATIONAL HOMOGENIZATION OF PERIODIC MASONRY. <i>International Journal for Multiscale Computational Engineering</i> , 2011, 9, 565-578.	1.2	37
27	Acoustic wave polarization and energy flow in periodic beam lattice materials. <i>International Journal of Solids and Structures</i> , 2018, 147, 183-203.	2.7	37
28	Nonlinear dispersion properties of one-dimensional mechanical metamaterials with inertia amplification. <i>International Journal of Mechanical Sciences</i> , 2021, 201, 106461.	6.7	36
29	Dispersive wave propagation in two-dimensional rigid periodic blocky materials with elastic interfaces. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 102, 165-186.	4.8	35
30	Multi-parametric sensitivity analysis of the band structure for tetrachiral acoustic metamaterials. <i>International Journal of Solids and Structures</i> , 2018, 136-137, 186-202.	2.7	32
31	Chiral two-dimensional periodic blocky materials with elastic interfaces: Auxetic and acoustic properties. <i>Extreme Mechanics Letters</i> , 2020, 39, 100769.	4.1	32
32	Wave propagation properties of one-dimensional acoustic metamaterials with nonlinear diatomic microstructure. <i>Nonlinear Dynamics</i> , 2019, 98, 2711-2735.	5.2	30
33	Optimal Design of the Band Structure for Beam Lattice Metamaterials. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	30
34	High-frequency parametric approximation of the Floquet-Bloch spectrum for anti-tetrachiral materials. <i>International Journal of Solids and Structures</i> , 2016, 97-98, 575-592.	2.7	28
35	Multiscale asymptotic homogenization analysis of thermo-diffusive composite materials. <i>International Journal of Solids and Structures</i> , 2016, 85-86, 15-33.	2.7	27
36	A multi-scale strain-localization analysis of a layered strip with debonding interfaces. <i>International Journal of Solids and Structures</i> , 2013, 50, 2061-2077.	2.7	26

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37	Design of tunable acoustic metamaterials with periodic piezoelectric microstructure. <i>Extreme Mechanics Letters</i> , 2020, 40, 100977.	4.1	26
38	Bloch wave filtering in tetrachiral materials via mechanical tuning. <i>Composite Structures</i> , 2018, 201, 340-351.	5.8	25
39	Computational design of innovative mechanical metafilters via adaptive surrogate-based optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 375, 113623.	6.6	25
40	Identification of higher-order continua equivalent to a Cauchy elastic composite. <i>Mechanics Research Communications</i> , 2018, 93, 11-22.	1.8	23
41	Identification of non-local continua for lattice-like materials. <i>International Journal of Engineering Science</i> , 2021, 159, 103430.	5.0	23
42	Free and forced wave propagation in beam lattice metamaterials with viscoelastic resonators. <i>International Journal of Mechanical Sciences</i> , 2021, 193, 106129.	6.7	22
43	Mobilized peripheral blood stem cells compared with bone marrow from HLA-identical siblings for reduced-intensity conditioning transplantation in acute myeloid leukemia in complete remission: a retrospective analysis from the Acute Leukemia Working Party of EBMT. <i>European Journal of Haematology</i> , 2012, 89, 206-213.	2.2	20
44	Allogeneic Hematopoietic Cell Transplantation from Unrelated Donors in Multiple Myeloma: Study from the Italian Bone Marrow Donor Registry. <i>Biology of Blood and Marrow Transplantation</i> , 2013, 19, 940-948.	2.0	20
45	Design of thermo-piezoelectric microstructured bending actuators via multi-field asymptotic homogenization. <i>International Journal of Mechanical Sciences</i> , 2018, 146-147, 319-336.	6.7	20
46	Parametric design of the band structure for lattice materials. <i>Meccanica</i> , 2018, 53, 613-628.	2.0	19
47	Characterization of hybrid piezoelectric nanogenerators through asymptotic homogenization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 1148-1186.	6.6	18
48	A phase field approach for damage propagation in periodic microstructured materials. <i>International Journal of Fracture</i> , 2020, 223, 53-76.	2.2	18
49	A simplified assessment of the dome and drum of the Basilica of S. Maria Assunta in Carignano in Genoa. <i>Engineering Structures</i> , 2013, 56, 749-765.	5.3	17
50	Effective elastic properties of planar SOFCs: A non-local dynamic homogenization approach. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15017-15030.	7.1	17
51	Complex frequency band structure of periodic thermo-diffusive materials by Floquet-Bloch theory. <i>Acta Mechanica</i> , 2019, 230, 3339-3363.	2.1	16
52	Characterization of wave propagation in periodic viscoelastic materials via asymptotic-variational homogenization. <i>International Journal of Solids and Structures</i> , 2019, 172-173, 110-146.	2.7	16
53	Effects of Layered Accretion on the Mechanics of Masonry Structures. <i>Mechanics Based Design of Structures and Machines</i> , 2012, 40, 163-184.	4.7	15
54	Computational dynamic homogenization for the analysis of dispersive waves in layered rock masses with periodic fractures. <i>Computers and Geotechnics</i> , 2014, 56, 61-68.	4.7	14

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55	Overall thermomechanical properties of layered materials for energy devices applications. Composite Structures, 2016, 157, 366-385.	5.8	13
56	Wave propagation modeling in periodic elasto-thermo-diffusive materials via multifield asymptotic homogenization. International Journal of Solids and Structures, 2020, 196-197, 99-128.	2.7	13
57	Nonlinear wave propagation in locally dissipative metamaterials via Hamiltonian perturbation approach. Nonlinear Dynamics, 2022, 108, 765-787.	5.2	12
58	A micropolar model for the analysis of dispersive waves in chiral mass-in-mass lattices. Frattura Ed Integrita Strutturale, 2014, 8, 1-8.	0.9	11
59	Outcome of patients activating an unrelated donor search for severe acquired aplastic anemia. American Journal of Hematology, 2013, 88, 868-873.	4.1	10
60	Variational-asymptotic homogenization of thermoelastic periodic materials with thermal relaxation. International Journal of Mechanical Sciences, 2021, 205, 106566.	6.7	10
61	Design of Acoustic Metamaterials Through Nonlinear Programming. Lecture Notes in Computer Science, 2016, , 170-181.	1.3	9
62	Thermodynamically consistent non-local continualization for masonry-like systems. International Journal of Mechanical Sciences, 2021, 205, 106538.	6.7	9
63	Asymptotic homogenization approach for anisotropic micropolar modeling of periodic Cauchy materials. Computer Methods in Applied Mechanics and Engineering, 2022, 388, 114201.	6.6	9
64	Intrabone Transplant of Cord Blood Stem Cells Establishes a Local Engraftment Store: A Functional PET/FDG Study. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-8.	3.0	8
65	The generalized Floquet-Bloch spectrum for periodic thermodiffusive layered materials. International Journal of Mechanical Sciences, 2021, 194, 106178.	6.7	8
66	Outcome of Allogeneic Stem Cell Transplantation for Patients Transformed to Myelodysplastic Syndrome or Leukemia from Severe Aplastic Anemia: A Report from the MDS Subcommittee of the Chronic Malignancies Working Party and the Severe Aplastic Anemia Working Party of the European Group for Blood and Marrow Transplantation. Biology of Blood and Marrow Transplantation, 2014, 20, 1448-1450.	2.0	7
67	Acoustic waveguide filters made up of rigid stacked materials with elastic joints. Meccanica, 2019, 54, 2039-2052.	2.0	7
68	Design of tunable hierarchical waveguides based on Fibonacci-like microstructure. International Journal of Mechanical Sciences, 2022, 224, 107280.	6.7	7
69	Wave propagation in viscoelastic metamaterials via added-state formulation. International Journal of Mechanical Sciences, 2022, 228, 107461.	6.7	7
70	Metamaterial filter design via surrogate optimization. Journal of Physics: Conference Series, 2018, 1092, 012043.	0.4	5
71	A dynamic high-frequency consistent continualization of beam-lattice materials. Composite Structures, 2021, 272, 114146.	5.8	5
72	Asymptotic approximation of the band structure for tetrachiral metamaterials. Procedia Engineering, 2017, 199, 1460-1465.	1.2	4

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73	Principal Component Analysis Applied to Gradient Fields in Band Gap Optimization Problems for Metamaterials. Journal of Physics: Conference Series, 2021, 2015, 012047.	0.4	4
74	A Simplified Evaluation of the Influence of the Bond Pattern on the Brickwork Limit Strength. Advanced Materials Research, 0, 368-373, 3495-3508.	0.3	3
75	Enhanced dynamic homogenization of hexagonally packed granular materials with elastic interfaces. Computers and Geotechnics, 2021, 137, 104102.	4.7	3
76	Anisotropic peridynamics for homogenized microstructured materials. Computer Methods in Applied Mechanics and Engineering, 2022, 392, 114704.	6.6	3
77	Micro-Polar and Second Order Homogenization of Periodic Masonry. Materials Science Forum, 2010, 638-642, 2561-2566.	0.3	2
78	Damped Bloch Waves in Lattices Metamaterials with Inertial Resonators. Procedia Engineering, 2017, 199, 1441-1446.	1.2	2
79	Convex combination of data matrices: PCA perturbation bounds for multi-objective optimal design of mechanical metafilters. Mathematical Foundations of Computing, 2021, 4, 253.	1.1	2
80	On the Statics of the Dome of the Basilica of S. Maria Assunta in Carignano, Genoa. , 2015, , 101-126.		1
81	PASSIVE CONTROL OF WAVE PROPAGATION IN PERIODIC ANTI-TETRACHIRAL META-MATERIALS. , 2016, , .		1
82	Uniform and Lipschitz continuity of objective functions in metamaterial band gap optimization problems. AIP Conference Proceedings, 2020, , .	0.4	1
83	Multifield constitutive identification of non-conventional thermo-viscoelastic periodic Cauchy materials. International Journal of Mechanical Sciences, 2022, , 107228.	6.7	1
84	Multi-field asymptotic homogenization approach for Bloch wave propagation in periodic thermodiffusive elastic materials. Journal of Physics: Conference Series, 2018, 1092, 012006.	0.4	0
85	Frequency band structure of hierarchical viscoelastic metamaterials. AIP Conference Proceedings, 2020, , .	0.4	0