

Pedro Ponte Castaeda

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138
papers

6,428
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39
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77
g-index

142
ext. papers

6,828
ext. citations

3.6
avg, IF

6.44
L-index

#	Paper	IF	Citations
138	The effective mechanical properties of nonlinear isotropic composites. <i>Journal of the Mechanics and Physics of Solids</i> , 1991 , 39, 45-71	5	723
137	The effect of spatial distribution on the effective behavior of composite materials and cracked media. <i>Journal of the Mechanics and Physics of Solids</i> , 1995 , 43, 1919-1951	5	562
136	Nonlinear Composites. <i>Advances in Applied Mechanics</i> , 1997 , 171-302	10	423
135	Second-order homogenization estimates for nonlinear composites incorporating field fluctuations: I theory. <i>Journal of the Mechanics and Physics of Solids</i> , 2002 , 50, 737-757	5	286
134	Exact second-order estimates for the effective mechanical properties of nonlinear composite materials. <i>Journal of the Mechanics and Physics of Solids</i> , 1996 , 44, 827-862	5	271
133	Self-consistent modelling of the mechanical behaviour of viscoplastic polycrystals incorporating intragranular field fluctuations. <i>Philosophical Magazine</i> , 2007 , 87, 4287-4322	1.6	243
132	New variational principles in plasticity and their application to composite materials. <i>Journal of the Mechanics and Physics of Solids</i> , 1992 , 40, 1757-1788	5	192
131	Constitutive models for porous materials with evolving microstructure. <i>Journal of the Mechanics and Physics of Solids</i> , 1994 , 42, 1459-1497	5	152
130	Influence of the Lode parameter and the stress triaxiality on the failure of elasto-plastic porous materials. <i>International Journal of Solids and Structures</i> , 2012 , 49, 1325-1342	3.1	134
129	On the accuracy of the self-consistent approximation for polycrystals: comparison with full-field numerical simulations. <i>Acta Materialia</i> , 2004 , 52, 5347-5361	8.4	128
128	Homogenization-based constitutive models for magnetorheological elastomers at finite strain. <i>Journal of the Mechanics and Physics of Solids</i> , 2011 , 59, 194-215	5	127
127	A general constitutive theory for linear and nonlinear particulate media with microstructure evolution. <i>Journal of the Mechanics and Physics of Solids</i> , 1998 , 46, 427-465	5	98
126	Microscopic and macroscopic instabilities in finitely strained porous elastomers. <i>Journal of the Mechanics and Physics of Solids</i> , 2007 , 55, 900-938	5	98
125	A finite-strain model for anisotropic viscoplastic porous media: I theory. <i>European Journal of Mechanics, A/Solids</i> , 2009 , 28, 387-401	3.7	91
124	Macroscopic behavior and field fluctuations in viscoplastic composites: Second-order estimates versus full-field simulations. <i>Journal of the Mechanics and Physics of Solids</i> , 2006 , 54, 1029-1063	5	91
123	On the overall behavior, microstructure evolution, and macroscopic stability in reinforced rubbers at large deformations: II theory. <i>Journal of the Mechanics and Physics of Solids</i> , 2006 , 54, 807-830	5	84
122	A second-order homogenization method in finite elasticity and applications to black-filled elastomers. <i>Journal of the Mechanics and Physics of Solids</i> , 2000 , 48, 1389-1411	5	83

121	Second-order homogenization estimates for nonlinear composites incorporating field fluctuations: IIAApplications. <i>Journal of the Mechanics and Physics of Solids</i> , 2002 , 50, 759-782	5	81
120	A finite-strain constitutive model for magnetorheological elastomers: Magnetic torques and fiber rotations. <i>Journal of the Mechanics and Physics of Solids</i> , 2013 , 61, 1065-1090	5	76
119	Numerical methods for porous metals with deformation-induced anisotropy. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2004 , 193, 3767-3805	5.7	67
118	A finite-strain constitutive theory for electro-active polymer composites via homogenization. <i>International Journal of Non-Linear Mechanics</i> , 2012 , 47, 293-306	2.8	66
117	Asymptotic fields in steady crack growth with linear strain-hardening. <i>Journal of the Mechanics and Physics of Solids</i> , 1987 , 35, 227-268	5	65
116	Second-order theory for the effective behavior and field fluctuations in viscoplastic polycrystals. <i>Journal of the Mechanics and Physics of Solids</i> , 2004 , 52, 467-495	5	63
115	On the overall behavior, microstructure evolution, and macroscopic stability in reinforced rubbers at large deformations: IIAApplication to cylindrical fibers. <i>Journal of the Mechanics and Physics of Solids</i> , 2006 , 54, 831-863	5	62
114	The effect of particle shape and distribution on the macroscopic behavior of magnetoelastic composites. <i>International Journal of Solids and Structures</i> , 2012 , 49, 1-17	3.1	61
113	Microscopic and macroscopic instabilities in finitely strained fiber-reinforced elastomers. <i>Journal of the Mechanics and Physics of Solids</i> , 2010 , 58, 1776-1803	5	61
112	A general hyperelastic model for incompressible fiber-reinforced elastomers. <i>Journal of the Mechanics and Physics of Solids</i> , 2009 , 57, 268-286	5	58
111	Dilatational viscoplasticity of polycrystalline solids with intergranular cavities. <i>Philosophical Magazine</i> , 2011 , 91, 3038-3067	1.6	58
110	A homogenization-based constitutive model for isotropic viscoplastic porous media. <i>International Journal of Solids and Structures</i> , 2008 , 45, 3392-3409	3.1	57
109	Magnetoactive elastomers with periodic and random microstructures. <i>International Journal of Solids and Structures</i> , 2014 , 51, 3012-3024	3.1	56
108	A finite-strain model for anisotropic viscoplastic porous media: IIAApplications. <i>European Journal of Mechanics, A/Solids</i> , 2009 , 28, 402-416	3.7	51
107	Effective properties of nonlinear inhomogeneous dielectrics. <i>Physical Review B</i> , 1992 , 46, 4387-4394	3.3	50
106	Field statistics in nonlinear composites. I. Theory. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007 , 463, 183-202	2.4	48
105	Micromechanical modeling of the viscoplastic behavior of olivine. <i>Journal of Geophysical Research</i> , 2008 , 113,		46
104	Second-Order Estimates for the Macroscopic Response and Loss of Ellipticity in Porous Rubbers at Large Deformations. <i>Journal of Elasticity</i> , 2004 , 76, 247-287	1.5	46

103	Variational self-consistent estimates for cubic viscoplastic polycrystals: the effects of grain anisotropy and shape. <i>Journal of the Mechanics and Physics of Solids</i> , 2001 , 49, 313-340	5	43
102	Homogenization-based constitutive models for porous elastomers and implications for macroscopic instabilities: IAnalysis. <i>Journal of the Mechanics and Physics of Solids</i> , 2007 , 55, 1677-1701	5	42
101	A New Variational Principle and Its Application to Nonlinear Heterogeneous Systems. <i>SIAM Journal on Applied Mathematics</i> , 1992 , 52, 1321-1341	1.8	42
100	Elastoplastic constitutive relations for fiber-reinforced solids. <i>International Journal of Solids and Structures</i> , 1993 , 30, 1865-1890	3.1	42
99	Giant field-induced strains in magnetoactive elastomer composites. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2013 , 469, 20130385	2.4	39
98	Fiber-constrained, dielectric-elastomer composites: Finite-strain response and stability analysis. <i>Journal of the Mechanics and Physics of Solids</i> , 2014 , 68, 211-238	5	37
97	Shape dynamics and rheology of soft elastic particles in a shear flow. <i>Physical Review Letters</i> , 2012 , 108, 058302	7.4	37
96	Homogenization estimates for fiber-reinforced elastomers with periodic microstructures. <i>International Journal of Solids and Structures</i> , 2007 , 44, 5953-5979	3.1	37
95	Infinite-contrast periodic composites with strongly nonlinear behavior: Effective-medium theory versus full-field simulations. <i>International Journal of Solids and Structures</i> , 2009 , 46, 3365-3382	3.1	36
94	Rheology of a suspension of elastic particles in a viscous shear flow. <i>Journal of Fluid Mechanics</i> , 2011 , 687, 209-237	3.7	36
93	Homogenization-based constitutive models for porous elastomers and implications for macroscopic instabilities: IIResults. <i>Journal of the Mechanics and Physics of Solids</i> , 2007 , 55, 1702-1728	5	34
92	Onset of macroscopic instabilities in fiber-reinforced elastomers at finite strain. <i>Journal of the Mechanics and Physics of Solids</i> , 2009 , 57, 1828-1850	5	33
91	Iterated linear comparison bounds for viscoplastic porous materials with Ellipsoidal microstructures. <i>Journal of the Mechanics and Physics of Solids</i> , 2013 , 61, 701-725	5	31
90	Second-order estimates for the effective behaviour of viscoplastic polycrystalline materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2001 , 49, 2737-2764	5	31
89	Stable crack growth under mixed-mode conditions. <i>Journal of the Mechanics and Physics of Solids</i> , 1992 , 40, 1053-1103	5	31
88	On the ductility of laminated materials. <i>International Journal of Solids and Structures</i> , 1992 , 29, 2329-2353	3.1	29
87	Homogenization estimates for the average behavior and field fluctuations in cubic and hexagonal viscoplastic polycrystals. <i>Journal of the Mechanics and Physics of Solids</i> , 2004 , 52, 1175-1211	5	28
86	Variational linear comparison bounds for nonlinear composites with anisotropic phases. I. General results. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007 , 463, 907-924	2.4	27

85	Stable crack growth along a brittle/ductile interface – Near-tip fields. <i>International Journal of Solids and Structures</i> , 1991 , 27, 105-133	3.1	27
84	A microstructurally-based, multi-scale, continuum-mechanical model for the passive behaviour of skeletal muscle tissue. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 97, 171-186	4.1	26
83	Yield criteria for porous media in plane strain: second-order estimates versus numerical results. <i>Comptes Rendus - Mecanique</i> , 2002 , 330, 741-747	2.1	26
82	A finite-strain homogenization model for viscoplastic porous single crystals: I – Theory. <i>Journal of the Mechanics and Physics of Solids</i> , 2017 , 107, 560-579	5	25
81	Second-Order Homogenization Estimates Incorporating Field Fluctuations in Finite Elasticity. <i>Mathematics and Mechanics of Solids</i> , 2004 , 9, 243-270	2.3	25
80	The finite deformation of nonlinear composite materials – Evolution of the microstructure. <i>International Journal of Solids and Structures</i> , 1996 , 33, 1287-1303	3.1	25
79	Bounds for nonlinear composites via iterated homogenization. <i>Journal of the Mechanics and Physics of Solids</i> , 2012 , 60, 1583-1604	5	24
78	Incremental variational procedure for elasto-viscoplastic composites and application to polymer- and metal-matrix composites reinforced by spheroidal elastic particles. <i>International Journal of Solids and Structures</i> , 2016 , 97-98, 668-686	3.1	24
77	Microstructure evolution in hyperelastic laminates and implications for overall behavior and macroscopic stability. <i>Mechanics of Materials</i> , 2009 , 41, 364-374	3.3	23
76	Homogenization estimates for multi-scale nonlinear composites. <i>European Journal of Mechanics, A/Solids</i> , 2011 , 30, 828-843	3.7	23
75	Variational self-consistent estimates for texture evolution in viscoplastic polycrystals. <i>Acta Materialia</i> , 2003 , 51, 5425-5437	8.4	23
74	Stationary variational estimates for the effective response and field fluctuations in nonlinear composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2016 , 96, 660-682	5	22
73	Steady-state creep of fiber-reinforced composites: constitutive equations and computational issues. <i>International Journal of Solids and Structures</i> , 1995 , 32, 2219-2244	3.1	22
72	Tangent Second-Order Estimates for the Large-Strain, Macroscopic Response of Particle-Reinforced Elastomers. <i>Journal of Elasticity</i> , 2013 , 112, 139-183	1.5	20
71	Constitutive models for ductile solids reinforced by rigid spheroidal inclusions. <i>Mechanics of Materials</i> , 1993 , 15, 279-300	3.3	20
70	The evolution of pore shape and orientation in plastically deforming metals: Implications for macroscopic response and shear localization. <i>Mechanics of Materials</i> , 2015 , 90, 47-68	3.3	19
69	A homogenization-based constitutive model for two-dimensional viscoplastic porous media. <i>Comptes Rendus - Mecanique</i> , 2008 , 336, 79-90	2.1	19
68	Accurate estimates for the creep behavior of hexagonal polycrystals. <i>Acta Materialia</i> , 2001 , 49, 329-337	8.4	19

67	Anisotropic finite-strain models for porous viscoplastic materials with microstructure evolution. <i>International Journal of Solids and Structures</i> , 2014 , 51, 981-1002	3.1	18
66	Variational linear comparison bounds for nonlinear composites with anisotropic phases. II. Crystalline materials. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007 , 463, 925-943	2.4	18
65	Second-order estimates for nonlinear isotropic composites with spherical pores and rigid particles. <i>Comptes Rendus - Mecanique</i> , 2005 , 333, 147-154	2.1	18
64	Variational estimates for the effective response and field statistics in thermoelastic composites with intra-phase property fluctuations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011 , 467, 2224-2246	2.4	17
63	Homogenization estimates for texture evolution in halite. <i>Tectonophysics</i> , 2005 , 406, 179-195	3.1	17
62	Second-order theory for nonlinear composites and application to isotropic constituents. <i>Comptes Rendus - Mecanique</i> , 2006 , 334, 575-581	2.1	17
61	A multi-scale homogenization model for fine-grained porous viscoplastic polycrystals: I □ Finite-strain theory. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 115, 102-122	5	15
60	Fully optimized second-order variational estimates for the macroscopic response and field statistics in viscoplastic crystalline composites. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015 , 471, 20150665	2.4	15
59	A magnetically anisotropic, ellipsoidal inclusion subjected to a non-aligned magnetic field in an elastic medium. <i>Comptes Rendus - Mecanique</i> , 2012 , 340, 205-218	2.1	15
58	Effective-medium theory for infinite-contrast two-dimensionally periodic linear composites with strongly anisotropic matrix behavior: Dilute limit and crossover behavior. <i>Physical Review B</i> , 2008 , 78,	3.3	15
57	Electromechanical instabilities in fiber-constrained, dielectric-elastomer composites subjected to all-around dead-loading. <i>Mathematics and Mechanics of Solids</i> , 2015 , 20, 729-759	2.3	14
56	A finite-strain homogenization model for viscoplastic porous single crystals: II □Applications. <i>Journal of the Mechanics and Physics of Solids</i> , 2017 , 107, 580-602	5	14
55	Localization of elastic deformation in strongly anisotropic, porous, linear materials with periodic microstructures: Exact solutions and dilute expansions. <i>Journal of the Mechanics and Physics of Solids</i> , 2008 , 56, 1245-1268	5	14
54	Three-point bounds and other estimates for strongly nonlinear composites. <i>Physical Review B</i> , 1998 , 57, 12077-12083	3.3	14
53	Dielectric elastomer composites: small-deformation theory and applications. <i>Philosophical Magazine</i> , 2013 , 93, 2769-2801	1.6	13
52	Macroscopic response and stability in lamellar nanostructured elastomers with □oriented□and □nonoriented□polydomain microstructures. <i>Mechanics of Materials</i> , 2010 , 42, 451-468	3.3	13
51	Macroscopic constitutive relations for elastomers reinforced with short aligned fibers: Instabilities and post-bifurcation response. <i>Journal of the Mechanics and Physics of Solids</i> , 2016 , 97, 37-67	5	12
50	Effects of internal pore pressure on closed-cell elastomeric foams. <i>International Journal of Solids and Structures</i> , 2012 , 49, 2793-2798	3.1	12

49	Second-order estimates for the large-deformation response of particle-reinforced rubbers. <i>Comptes Rendus - Mecanique</i> , 2003 , 331, 1-8	2.1	12
48	Stable crack growth along a brittle-ductile interface. Small scale yielding solutions and interfacial toughness predictions. <i>International Journal of Solids and Structures</i> , 1999 , 36, 1-34	3.1	12
47	The rheology of non-dilute dispersions of highly deformable viscoelastic particles in Newtonian fluids. <i>Journal of Fluid Mechanics</i> , 2015 , 763, 386-432	3.7	11
46	A differential homogenization method for estimating the macroscopic response and field statistics of particulate viscoelastic composites. <i>International Journal of Solids and Structures</i> , 2020 , 204-205, 199-219	3.1	11
45	Fully optimized second-order homogenization estimates for the macroscopic response and texture evolution of low-symmetry viscoplastic polycrystals. <i>International Journal of Plasticity</i> , 2018 , 110, 272-293	3.6	10
44	Dynamics and rheology of elastic particles in an extensional flow. <i>Journal of Fluid Mechanics</i> , 2013 , 715, 573-596	3.7	10
43	Field statistics in nonlinear composites. II. Applications. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007 , 463, 203-222	2.4	10
42	Multiscale modeling of oriented thermoplastic elastomers with lamellar morphology. <i>Journal of the Mechanics and Physics of Solids</i> , 2008 , 56, 3206-3223	5	10
41	Field fluctuations and macroscopic properties for nonlinear composites. <i>International Journal of Solids and Structures</i> , 2003 , 40, 7015-7033	3.1	10
40	Macroscopic rheological behavior of suspensions of soft solid particles in yield stress fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016 , 234, 139-161	2.7	10
39	A multi-scale homogenization model for fine-grained porous viscoplastic polycrystals: II Applications to FCC and HCP materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 115, 77-101	5	9
38	Macroscopic instabilities and domain formation in neo-Hookean laminates. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 118, 98-114	5	8
37	On the macroscopic response, microstructure evolution, and macroscopic stability of short-fibre-reinforced elastomers at finite strains: I Analytical results. <i>Philosophical Magazine</i> , 2014 , 94, 1031-1067	1.6	8
36	Earth Mantle Rheology Inferred from Homogenization Theories	55-70	8
35	Macroscopic response of particle-reinforced elastomers subjected to prescribed torques or rotations on the particles. <i>Journal of the Mechanics and Physics of Solids</i> , 2016 , 91, 240-264	5	8
34	A symmetric fully optimized second-order method for nonlinear homogenization. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2018 , 98, 222-254	1	7
33	Macroscopic response of strongly anisotropic porous viscoplastic single crystals and applications to ice. <i>Extreme Mechanics Letters</i> , 2017 , 10, 41-49	3.9	7
32	Estimates for two-phase nonlinear conductors via iterated homogenization. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2013 , 469, 20120626	2.4	7

31	On the macroscopic response, microstructure evolution, and macroscopic stability of short-fiber-reinforced elastomers at finite strains: II [Representative examples. <i>Philosophical Magazine</i> , 2014 , 94, 1068-1094	1.6	6
30	The second-order procedure: exact vs approximate results for isotropic, two-phase composites. <i>Journal of the Mechanics and Physics of Solids</i> , 1999 , 47, 2171-2185	5	6
29	Modeling Sea Ice. <i>Notices of the American Mathematical Society</i> , 2020 , 67, 1	1.5	6
28	Constitutive models for anisotropic dielectric elastomer composites: Finite deformation response and instabilities. <i>Mechanics Research Communications</i> , 2019 , 96, 75-86	2.2	5
27	Modeling microstructural effects in dilatational plasticity of polycrystalline materials. <i>Procedia IUTAM</i> , 2012 , 3, 314-330		5
26	Multi-scale homogenization-based modeling of semi-crystalline polymers. <i>Philosophical Magazine</i> , 2012 , 92, 925-958	1.6	5
25	Strongly nonlinear composites: A second-order theory for estimating transport properties. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997 , 224, 163-168	2.3	5
24	Void growth in power-law creeping solids: Effect of surface diffusion and surface energy. <i>International Journal of Solids and Structures</i> , 2005 , 42, 6202-6225	3.1	5
23	Improving the Self-Consistent Predictions of Texture Development of Polycrystals Incorporating Intragranular Field Fluctuations. <i>Materials Science Forum</i> , 2005 , 495-497, 955-964	0.4	5
22	Exact second-order estimates of the self-consistent type for nonlinear composite materials. <i>Mechanics of Materials</i> , 1998 , 28, 9-22	3.3	4
21	Fiber-constrained dielectric elastomer composites: Finite deformation response and instabilities under non-aligned loadings. <i>International Journal of Solids and Structures</i> , 2020 , 184, 73-98	3.1	4
20	Multiscale modelling of skeletal muscle tissue by incorporating microstructural effects. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2016 , 16, 75-76	0.2	3
19	Towards effective mechanical properties of skeletal muscle tissue via homogenisation. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2015 , 15, 83-84	0.2	3
18	The Effective Behavior of Nonlinear Composites: A Comparison between Two Methods. <i>Materials Science Forum</i> , 1993 , 123-125, 351-360	0.4	3
17	Reinforced elastomers: Homogenization, macroscopic stability and relaxation. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 136, 103689	5	3
16	Tangent second-order homogenisation estimates for incompressible hyperelastic composites with fibrous microstructures and anisotropic phases. <i>Journal of the Mechanics and Physics of Solids</i> , 2021 , 147, 104251	5	3
15	Theoretical predictions for the rheology of dispersions of highly deformable particles under large amplitude oscillatory shear. <i>Journal of Fluid Mechanics</i> , 2020 , 897,	3.7	2
14	Bounds on the self-consistent approximation for nonlinear media and implications for the second-order method. <i>Comptes Rendus Mecanique</i> , 2001 , 329, 571-577		2

13	A MULTIPHASE HOMOGENIZATION MODEL FOR THE VISCOPLASTIC RESPONSE OF INTACT SEA ICE: THE EFFECT OF POROSITY AND CRYSTALLOGRAPHIC TEXTURE. <i>International Journal for Multiscale Computational Engineering</i> , 2019 , 17, 121-150	2.4	2
12	Statistics of the stress, strain-rate and spin fields in viscoplastic polycrystals. <i>International Journal of Solids and Structures</i> , 2021 , 217-218, 193-214	3.1	2
11	On the optimality of the variational linear comparison bounds for porous viscoplastic materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 138, 103898	5	1
10	Variational self-consistent estimates for viscoplastic polycrystals with highly anisotropic grains. <i>Comptes Rendus De L'Academie De Sciences - Serie Iib: Mecanique, Physique, Chimie, Astronomie</i> , 2000 , 328, 11-17		1
9	Differential variational estimates for the macroscopic response and field statistics of elasto-viscoplastic polycrystals. <i>Journal of the Mechanics and Physics of Solids</i> , 2021 , 147, 104202	5	1
8	Field statistics in linearized elastic and viscous composites and polycrystals. <i>International Journal of Solids and Structures</i> , 2021 , 224, 111030	3.1	1
7	Exact results for weakly nonlinear composites and implications for homogenization methods. <i>Comptes Rendus - Mecanique</i> , 2020 , 348, 893-909	0.3	1
6	Anisotropic Oldroyd-type models for non-colloidal suspensions of viscoelastic particles in Newtonian and yield-stress fluids via homogenization. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021 , 295, 104625	2.7	0
5	A homogenisation method for the multiscale modelling of transversely isotropic skeletal muscle tissue. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2017 , 17, 183-184	0.2	
4	Response to the comments by Hutchinson and Tvergaard. <i>International Journal of Solids and Structures</i> , 2012 , 49, 3486	3.1	
3	Linear comparison estimates for the effective resistivity of three-dimensional nonlinear polycrystals. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008 , 464, 2391-2410	2.4	
2	Estimations homogènes pour les composites hyperélastiques et applications aux tissus renforcés. <i>Comptes Rendus De L'Academie De Sciences - Serie Iib: Mecanique, Physique, Chimie, Astronomie</i> , 1999 , 327, 1297-1304		
1	Macroscopic response and microstructure evolution in viscoplastic polycrystals with pressurized pores. <i>International Journal of Fracture</i> , 2021 , 230, 43	2.3	