Reinaldo Rodriguez-Ramos

List of Publications by Year
in descending order

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165	2,824	236912	265191
papers	citations	25 h-index	42 g-index

170	170	170	1308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An analytical and numerical approach for calculating effective material coefficients of piezoelectric fiber composites. International Journal of Solids and Structures, 2005, 42, 5692-5714.	2.7	199
2	Computational evaluation of effective material properties of composites reinforced by randomly distributed spherical particles. Composite Structures, 2007, 77, 223-231.	5.8	163
3	Unit cell models of piezoelectric fiber composites for numerical and analytical calculation of effective properties. Smart Materials and Structures, 2006, 15, 451-458.	3.5	141
4	Homogenization of magneto-electro-elastic multilaminated materials. Quarterly Journal of Mechanics and Applied Mathematics, 2008, 61, 311-332.	1.3	78
5	A comprehensive numerical homogenisation technique for calculating effective coefficients of uniaxial piezoelectric fibre composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 412, 53-60.	5.6	73
6	Evaluation of influence of interphase material parameters on effective material properties of three phase composites. Composites Science and Technology, 2008, 68, 684-691.	7.8	73
7	Three scales asymptotic homogenization and its application to layered hierarchical hard tissues. International Journal of Solids and Structures, 2018, 130-131, 190-198.	2.7	60
8	Connections between different models describing imperfect interfaces in periodic fiber-reinforced composites. International Journal of Solids and Structures, 2012, 49, 1518-1525.	2.7	52
9	Asymptotic homogenization of periodic thermo-magneto-electro-elastic heterogeneous media. Computers and Mathematics With Applications, 2013, 66, 2056-2074.	2.7	51
10	Finite element and asymptotic homogenization methods applied to smart composite materials. Computational Mechanics, 2003, 33, 61-67.	4.0	50
11	Different approaches for calculating the effective elastic properties in composite materials under imperfect contact adherence. Composite Structures, 2013, 99, 264-275.	5.8	40
12	An asymptotic homogenization approach to the microstructural evolution of heterogeneous media. International Journal of Non-Linear Mechanics, 2018, 106, 245-257.	2.6	39
13	Calculation of effective coefficients for piezoelectric fiber composites based on a general numerical homogenization technique. Composite Structures, 2005, 71, 397-400.	5.8	37
14	On the constitutive relations and energy potentials of linear thermo-magneto-electro-elasticity. Mechanics Research Communications, 2009, 36, 343-350.	1.8	37
15	Transport properties in fibrous elastic rhombic composite with imperfect contact condition. International Journal of Mechanical Sciences, 2011, 53, 98-107.	6.7	35
16	Analysis of effective properties of electroelastic composites using the self-consistent and asymptotic homogenization methods. International Journal of Engineering Science, 2008, 46, 818-834.	5.0	33
17	A recursive asymptotic homogenization scheme for multi-phase fibrous elastic composites. Mechanics of Materials, 2005, 37, 1119-1131.	3.2	31
18	Closed-Form Thermoelastic Moduli of a Periodic Three-Phase Fiber-Reinforced Composite. Journal of Thermal Stresses, 2005, 28, 1067-1093.	2.0	31

#	Article	IF	Citations
19	On the effective behavior of viscoelastic composites in three dimensions. International Journal of Engineering Science, 2020, 157, 103377.	5.0	31
20	Evaluation of effective material properties of randomly distributed short cylindrical fiber composites using a numerical homogenization technique. Journal of Mechanics of Materials and Structures, 2007, 2, 1561-1570.	0.6	30
21	Dispersion relations for SH wave in magneto-electro-elastic heterostructures. International Journal of Solids and Structures, 2008, 45, 5356-5367.	2.7	29
22	Magnetoelectric coupling and cross-property connections in a square array of a binary composite. International Journal of Engineering Science, 2009, 47, 294-312.	5.0	29
23	Effective elastic shear stiffness of a periodic fibrous composite with non-uniform imperfect contact between the matrix and the fibers. International Journal of Solids and Structures, 2014, 51, 1253-1262.	2.7	29
24	Two analytical models for the study of periodic fibrous elastic composite with different unit cells. Composite Structures, 2011, 93, 709-714.	5.8	28
25	Semi-analytical method for computing effective properties in elastic composite under imperfect contact. International Journal of Solids and Structures, 2013, 50, 609-622.	2.7	28
26	Different interface models for calculating the effective properties in piezoelectric composite materials with imperfect fiberâ€“matrix adhesion. Composite Structures, 2016, 151, 70-80.	5.8	28
27	Dynamical behavior of a layered piezocomposite using the asymptotic homogenization method. Mechanics of Materials, 2005, 37, 33-44.	3.2	27
28	Numerical Evaluation of Effective Material Properties of Transversely Randomly Distributed Unidirectional Piezoelectric Fiber Composites. Journal of Intelligent Material Systems and Structures, 2007, 18, 361-372.	2.5	26
29	Homogenized out-of-plane shear response of three-scale fiber-reinforced composites. Computing and Visualization in Science, 2019, 20, 85-93.	1.2	26
30	Effective properties of hierarchical fiber-reinforced composites via a three-scale asymptotic homogenization approach. Mathematics and Mechanics of Solids, 2019, 24, 3554-3574.	2.4	26
31	Scattering of shear horizontal piezoelectric waves in piezocomposite media. Journal of Applied Physics, 2001, 89, 2886-2892.	2.5	25
32	Analytical formulae for electromechanical effective properties of 3â€“1 longitudinally porous piezoelectric materials. Acta Materialia, 2009, 57, 795-803.	7.9	25
33	Homogenization and effective properties of periodic thermomagnetoelectroelastic composites. Journal of Mechanics of Materials and Structures, 2009, 4, 819-836.	0.6	25
34	Computation of the relaxation effective moduli for fibrous viscoelastic composites using the asymptotic homogenization method. International Journal of Solids and Structures, 2020, 190, 281-290.	2.7	25
35	Effective properties of piezoelectric composites with parallelogram periodic cells. International Journal of Engineering Science, 2012, 53, 58-66.	5.0	24
36	Influence of imperfect interface and fiber distribution on the antiplane effective magneto-electro-elastic properties for fiber reinforced composites. International Journal of Solids and Structures, 2017, 112, 155-168.	2.7	24

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37	Numerical and analytical analyses for active fiber composite piezoelectric composite materials. Journal of Intelligent Material Systems and Structures, 2015, 26, 101-118.	2.5	23
38	Influence of parallelogram cells in the axial behaviour of fibrous composite. International Journal of Engineering Science, 2011, 49, 75-84.	5.0	22
39	Unified analytical formulae for the effective properties of periodic fibrous composites. Materials Letters, 2012, 73, 68-71.	2.6	22
40	Effective properties of periodic fibrous electro-elastic composites with mechanic imperfect contact condition. International Journal of Mechanical Sciences, 2013, 73, 1-13.	6.7	22
41	Antiplane magneto-electro-elastic effective properties of three-phase fiber composites. International Journal of Solids and Structures, 2014, 51, 3508-3521.	2.7	22
42	The role of malignant tissue on the thermal distribution of cancerous breast. Journal of Theoretical Biology, 2017, 426, 152-161.	1.7	22
43	Modeling of elastic transversely isotropic composite using the asymptotic homogenization method. Some comparisons with other models. Materials Letters, 2002, 56, 889-894.	2.6	21
44	Interfacial waves between two piezoelectric half-spaces with electro-mechanical imperfect interface. Philosophical Magazine Letters, 2012, 92, 534-540.	1.2	21
45	Effective properties of regular elastic laminated shell composite. Composites Part B: Engineering, 2016, 87, 12-20.	12.0	21
46	Interphase effect on the effective magneto-electro-elastic properties for three-phase fiber-reinforced composites by a semi-analytical approach. International Journal of Engineering Science, 2020, 154, 103310.	5.0	21
47	Multiscale analysis for predicting the constitutive tensor effective coefficients of layered composites with micro and macro failures. Applied Mathematical Modelling, 2019, 75, 250-266.	4.2	20
48	Enhancement of Youngâ€™s moduli and auxetic windows in laminates with isotropic constituents. International Journal of Engineering Science, 2012, 58, 95-114.	5.0	19
49	Effective elastic properties of a periodic fiber reinforced composite with parallelogram-like arrangement of fibers and imperfect contact between matrix and fibers. International Journal of Solids and Structures, 2013, 50, 2022-2032.	2.7	19
50	Interfacial waves between piezoelectric and piezomagnetic half-spaces with magneto-electro-mechanical imperfect interface. Philosophical Magazine Letters, 2013, 93, 413-421.	1.2	19
51	Soft and hard anisotropic interface in composite materials. Composites Part B: Engineering, 2016, 90, 58-68.	12.0	19
52	Behavior of laminated shell composite with imperfect contact between the layers. Composite Structures, 2017, 176, 539-546.	5.8	19
53	Asymptotic and numerical homogenization methods applied to fibrous viscoelastic composites using Pronyâ€™sÂseries. Acta Mechanica, 2020, 231, 2761-2771.	2.1	19
54	EFFECTIVE COEFFICIENTS FOR TWO PHASE MAGNETO-ELECTROELASTIC FIBROUS COMPOSITE WITH SQUARE SYMMETRY CELL IN-PLANE MECHANICAL DISPLACEMENT AND OUT-OF-PLANE ELECTRIC AND MAGNETIC FIELD CASE. Integrated Ferroelectrics, 2006, 83, 49-65.	0.7	18

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55	Effects of interface contacts on the magneto electro-elastic coupling for fiber reinforced composites. International Journal of Solids and Structures, 2011, 48, 1525-1533.	2.7	18
56	Interfacial waves between two magneto-electro-elastic half-spaces with magneto-electro-mechanical imperfect interface. Philosophical Magazine Letters, 2014, 94, 629-638.	1.2	18
57	Mathematical modeling of anisotropic avascular tumor growth. Mechanics Research Communications, 2015, 69, 8-14.	1.8	18
58	Delamination influence on elastic properties of laminated composites. Acta Mechanica, 2019, 230, 821-837.	2.1	18
59	Overall electromechanical properties of a binary composite with 622 symmetry constituents.. International Journal of Solids and Structures, 2005, 42, 5765-5777.	2.7	17
60	Plane Magneto-Electro-Elastic Moduli of Fiber Composites with Interphase. Mechanics of Advanced Materials and Structures, 2013, 20, 552-563.	2.6	17
61	Variational bounds for anisotropic elastic multiphase composites with different shapes of inclusions. Archive of Applied Mechanics, 2009, 79, 695-708.	2.2	16
62	Two approaches for the evaluation of the effective properties of elastic composite with parallelogram periodic cells. International Journal of Engineering Science, 2012, 58, 2-10.	5.0	16
63	Action of body forces in tumor growth. International Journal of Engineering Science, 2015, 89, 18-34.	5.0	16
64	Analysis of fibrous elastic composites with nonuniform imperfect adhesion. Acta Mechanica, 2016, 227, 57-73.	2.1	16
65	Effective elastic properties of layered composites considering non-uniform imperfect adhesion. Applied Mathematical Modelling, 2018, 59, 183-204.	4.2	16
66	Stark-ladder resonances in piezoelectric composites. Physical Review B, 2003, 68, .	3.2	15
67	Overall properties in fibrous elastic composite with imperfect contact condition. International Journal of Engineering Science, 2012, 61, 142-155.	5.0	15
68	The influence of anisotropic growth and geometry on the stress of solid tumors. International Journal of Engineering Science, 2017, 119, 40-49.	5.0	15
69	Variational principles for nonlinear piezoelectric materials. Archive of Applied Mechanics, 2004, 74, 191-200.	2.2	14
70	Shear horizontal wave in multilayered piezoelectric structures: Effect of frequency, incidence angle and constructive parameters. International Journal of Solids and Structures, 2011, 48, 2941-2947.	2.7	14
71	Connection between electrical conductivity and diffusion coefficient of a conductive porous material filled with electrolyte. International Journal of Engineering Science, 2017, 121, 108-117.	5.0	14
72	Analysis of effective elastic properties for shell with complex geometrical shapes. Composite Structures, 2018, 203, 278-285.	5.8	14

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73	Numerical and Analytical Approaches for Calculating the Effective Thermo-Mechanical Properties of Three-Phase Composites. Journal of Thermal Stresses, 2007, 30, 801-817.	2.0	13
74	Influence of imperfect elastic contact condition on the antiplane effective properties of piezoelectric fibrous composites. Archive of Applied Mechanics, 2010, 80, 377-388.	2.2	13
75	A dispersive nonlocal model for shear wave propagation in laminated composites with periodic structures. European Journal of Mechanics, A/Solids, 2015, 49, 35-48.	3.7	13
76	Effective predictions of heterogeneous flexoelectric multilayered composite with generalized periodicity. International Journal of Mechanical Sciences, 2020, 181, 105755.	6.7	13
77	Diffraction of transverse horizontal waves in Fibonacci piezoelectric superlattices. Zeitschrift Fur Angewandte Mathematik Und Physik, 2004, 55, 519-533.	1.4	12
78	Dispersion curves of shear horizontal wave surface velocities in multilayer piezoelectric systems. Journal of Applied Physics, 2010, 107, .	2.5	12
79	Computation of effective properties in elastic composites under imperfect contact with different inclusion shapes. Mathematical Methods in the Applied Sciences, 2017, 40, 3290-3310.	2.3	12
80	Tumor growth modelling by cellular automata. Mathematics and Mechanics of Complex Systems, 2017, 5, 239-259.	0.9	12
81	Modeling of Three-Phase Fibrous Composite Using the Asymptotic Homogenization Method. Mechanics of Advanced Materials and Structures, 2003, 10, 319-333.	2.6	11
82	Simulation of the Stress-Assisted Densification Behavior of a Powder Compact: Effect of Constitutive Laws. Journal of the American Ceramic Society, 2008, 91, 836-845.	3.8	11
83	Elastic properties of an orthotropic binary fiber-reinforced composite with auxetic and conventional constituents. Mechanics of Materials, 2012, 48, 1-25.	3.2	11
84	Biomechanic approach of a growing tumor. Mechanics Research Communications, 2013, 51, 32-38.	1.8	11
85	Extension of Maxwell homogenization scheme for piezoelectric composites containing spheroidal inhomogeneities. International Journal of Solids and Structures, 2018, 135, 125-136.	2.7	11
86	Dispersion relations for SH waves on a magnetoelectroelastic heterostructure with imperfect interfaces. Journal of Mechanics of Materials and Structures, 2011, 6, 969-993.	0.6	11
87	Universal Relations and Effective Coefficients of Magneto-Electro-Elastic Perforated Structures. Quarterly Journal of Mechanics and Applied Mathematics, 2012, 65, 61-85.	1.3	10
88	Effective governing equations for heterogenous porous media subject to inhomogeneous body forces. Mathematics in Engineering, 2021, 3, 1-17.	0.9	10
89	Porosity and Diffusion in Biological Tissues. Recent Advances and Further Perspectives. Solid Mechanics and Its Applications, 2020, , 311-356.	0.2	10
90	A dispersive nonlocal model for wave propagation in periodic composites. Journal of Mechanics of Materials and Structures, 2009, 4, 951-976.	0.6	9

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91	Dynamic homogenization for composites with embedded multioriented ellipsoidal inclusions. International Journal of Solids and Structures, 2015, 69-70, 121-130.	2.7	9
92	Cross-Property Connections for Fiber-Reinforced Composites with Transversely Isotropic Constituents. International Journal of Fracture, 2007, 142, 299-306.	2.2	8
93	Effective Properties of Non-Linear Elastic Laminated Composites with Perfect and Imperfect Contact Conditions. Mechanics of Advanced Materials and Structures, 2008, 15, 375-385.	2.6	8
94	Temperature-related effective properties and exact relations for thermo-magneto-electro-elastic fibrous composites. Computers and Mathematics With Applications, 2015, 69, 980-996.	2.7	8
95	Characterization of piezoelectric composites with mechanical and electrical imperfect contacts. Journal of Composite Materials, 2016, 50, 1603-1625.	2.4	8
96	An approach for modeling threeâ€phase piezoelectric composites. Mathematical Methods in the Applied Sciences, 2017, 40, 3230-3248.	2.3	8
97	Reiterated homogenization of a laminate with imperfect contact: gain-enhancement of effective properties. Applied Mathematics and Mechanics (English Edition), 2018, 39, 1119-1146.	3.6	8
98	Asymptotic Homogenization Applied to Flexoelectric Rods. Materials, 2019, 12, 232.	2.9	8
99	Simple closed-form expressions for the effective properties of multilaminated flexoelectric composites. Journal of Engineering Mathematics, 2021, 127, 1.	1.2	8
100	Maxwell homogenization scheme for piezoelectric composites with arbitrarily-oriented spheroidal inhomogeneities. Acta Mechanica, 2019, 230, 3613-3632.	2.1	7
101	Behavior of piezoelectric layered composites with mechanical and electrical non-uniform imperfect contacts. Meccanica, 2020, 55, 125-138.	2.0	7
102	Electro-mechanical moduli of three-phase fiber composites. Materials Letters, 2008, 62, 2385-2387.	2.6	6
103	Variational bounds in composites with nonuniform interfacial thermal resistance. Applied Mathematical Modelling, 2015, 39, 7266-7276.	4.2	6
104	Analysis of mechanical and electrical imperfect contacts in piezoelectric composites. Mechanics Research Communications, 2018, 93, 96-102.	1.8	6
105	Homogenization of thermo-magneto-electro-elastic multilaminated composites with imperfect contact. Mechanics Research Communications, 2019, 97, 16-21.	1.8	6
106	Computation of Effective Elastic Properties Using a Three-Dimensional Semi-Analytical Approach for Transversely Isotropic Nanocomposites. Applied Sciences (Switzerland), 2021, 11, 1867.	2.5	6
107	A hierarchical asymptotic homogenization approach for viscoelastic composites. Mechanics of Advanced Materials and Structures, 2021, 28, 2190-2201.	2.6	6
108	Asymptotic Analysis of Linear Thermoelastic Properties of Fiber Composites. Journal of Thermoplastic Composite Materials, 2007, 20, 389-410.	4.2	5

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109	A Dispersive Nonlocal Model for In-Plane Wave Propagation in Laminated Composites With Periodic Structures. Journal of Applied Mechanics, Transactions ASME, 2015, 82, .	2.2	5
110	Application of Infrared Images to Diagnosis and Modeling of Breast. Series in Bioengineering, 2017, , 159-173.	0.6	5
111	Effective balance equations for elastic composites subject to inhomogeneous potentials. Continuum Mechanics and Thermodynamics, 2018, 30, 145-163.	2.2	5
112	Semi-analytic finite element method applied to short-fiber-reinforced piezoelectric composites. Continuum Mechanics and Thermodynamics, 2021, 33, 1957-1978.	2.2	5
113	Effective behavior of long and short fiber-reinforced viscoelastic composites. Applications in Engineering Science, 2021, 6, 100037.	0.8	5
114	Fiber-reinforced composite with cubic symmetry constituents. Materials Letters, 2002, 56, 339-343.	2.6	4
115	Thermoelastic expressions for the effective coefficients of a fibre-reinforced composite. Philosophical Magazine, 2005, 85, 4181-4199.	1.6	4
116	Micromechanical analysis of fibrous piezoelectric composites with imperfectly bonded adherence. Archive of Applied Mechanics, 2014, 84, 1565-1582.	2.2	4
117	Force modeling and gamification for Epidural Anesthesia training. , 2016, , .		4
118	Static effective characteristics in piezoelectric composite materials. Mathematical Methods in the Applied Sciences, 2017, 40, 3249-3264.	2.3	4
119	Viscoelastic effective properties for composites with rectangular cross-section fibers using the asymptotic homogenization method. Advanced Structured Materials, 2018, , 203-222.	0.5	4
120	Macroscopic thermal profile of heterogeneous cancerous breasts. A three-dimensional multiscale analysis. International Journal of Engineering Science, 2019, 144, 103135.	5.0	4
121	Relating mechanical properties of vertebral trabecular bones to osteoporosis. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 54-68.	1.6	4
122	Constitutive relations for piezoelectric materials in terms of invariants. Mechanics Research Communications, 2001, 28, 179-186.	1.8	3
123	Resonances of the Stark-Ladder-Type in the Transmission Coefficient of Piezocomposites. Ferroelectrics, 2002, 268, 233-237.	0.6	3
124	Homogenization of a micro-periodic helix. Philosophical Magazine, 2005, 85, 4201-4212.	1.6	3
125	Effective Properties of Nonlinear Laminated Composites With Perfect Adhesion. Journal of Applied Mechanics, Transactions ASME, 2006, 73, 174-178.	2.2	3
126	Estimation of very narrow bounds to the behavior of nonlinear incompressible elastic composites. Archive of Applied Mechanics, 2007, 77, 229-239.	2.2	3

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127	Unified formulae of variational bounds for multiphase anisotropic elastic composites. Archive of Applied Mechanics, 2009, 79, 189-204.	2.2	3
128	Overall longitudinal shear elastic modulus of a 1â€“3 composite with anisotropic constituents. International Journal of Solids and Structures, 2013, 50, 2573-2583.	2.7	3
129	MATHEMATICAL MODELING OF THE INTERPLAY BETWEEN STRESS AND ANISOTROPIC GROWTH OF AVASCULAR TUMORS. Journal of Mechanics in Medicine and Biology, 2018, 18, 1850006.	0.7	3
130	Assessment of models and methods for pressurized spherical composites. Mathematics and Mechanics of Solids, 2018, 23, 136-147.	2.4	3
131	Effective transport properties for periodic multiphase fiber-reinforced composites with complex constituents and parallelogram unit cells. International Journal of Solids and Structures, 2020, 204-205, 96-113.	2.7	3
132	Computation of effective thermo-piezoelectric properties of porous ceramics via asymptotic homogenization and finite element methods for energy-harvesting applications. Archive of Applied Mechanics, 2020, 90, 1415-1429.	2.2	3
133	Hierarchical heterogeneous one-dimensional problem in linear viscoelastic media. European Journal of Mechanics, A/Solids, 2022, 95, 104617.	3.7	3
134	Squeezing of composite piezoceramic plate under the loading of regular normal pressure. Applied Mathematics and Computation, 2002, 129, 407-419.	2.2	2
135	Homogenization of a Micro-Periodic Helix with Parabolic or Hyperbolic Heat Conduction. Journal of Thermal Stresses, 2006, 29, 467-483.	2.0	2
136	Effective Electromechanical Properties of 622 Piezoelectric Medium With Unidirectional Cylindrical Holes. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	2
137	Exact relations for the anti-plane effective magneto-electro-elastic coefficients of two-phase fibrous composites. Mechanics Research Communications, 2015, 70, 42-48.	1.8	2
138	Effective Complex Properties for Three-Phase Elastic Fiber-Reinforced Composites with Different Unit Cells. Technologies, 2021, 9, 12.	5.1	2
139	Laminados magneto-electro-elÃ¡sticos con variaciones en la orientaciÃ³n de la magnetizaciÃ³n. Nova Scientia, 2014, 2, 58.	0.1	2
140	Modeling of Imperfect Viscoelastic Interfaces in Composite Materials. Coatings, 2022, 12, 705.	2.6	2
141	Prediction of effective properties for multilayered laminated composite with delamination: A multiscale methodology proposal. Composite Structures, 2022, 297, 115910.	5.8	2
142	Title is missing!. Mechanics of Composite Materials, 2002, 38, 47-54.	1.4	1
143	The Effect of Imperfect Contact on the Homogenization of a Micro-periodic Helix. Mathematics and Mechanics of Solids, 2008, 13, 431-446.	2.4	1
144	On the prediction of anisotropy in a binary composite due to the spacing among their fibers. Mechanics Research Communications, 2010, 37, 241-245.	1.8	1

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145	Electronic spectra of one-dimensional nano-quasi-periodic systems under bias. Superlattices and Microstructures, 2010, 47, 661-675.	3.1	1
146	Effective permittivity of a fiber-reinforced composite with transversely isotropic constituents. Journal of Electrostatics, 2013, 71, 791-800.	1.9	1
147	Improved variational bounds for conductive periodic composites with 3D microstructures and nonuniform thermal resistance. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 2881-2898.	1.4	1
148	A Semi-Analytical Heterogeneous Model for Thermal Analysis of Cancerous Breasts. Series in Bioengineering, 2017, , 175-190.	0.6	1
149	Simple closed-form property expressions of a metafluid composed of a hexagonal array of transversely isotropic elastic fibres embedded in an ideal fluid. Mechanics Research Communications, 2019, 99, 47-51.	1.8	1
150	An approach for modeling non-ageing linear viscoelastic composites with general periodicity. Composite Structures, 2019, 223, 110927.	5.8	1
151	Analytical formulas for complex permittivity of periodic composites. Estimation of gain and loss enhancement in active and passive composites. Waves in Random and Complex Media, 2020, 30, 593-613.	2.7	1
152	Modelling flow past a rough sphere via stream functions and solution through Galerkinâ€™s method. Archive of Applied Mechanics, 2021, 91, 1897-1905.	2.2	1
153	Rock physics templates for anisotropic and heterogeneous reservoir rocks considering mineralogy, texture and pore-filling fluid. Journal of Natural Gas Science and Engineering, 2021, 94, 104140.	4.4	1
154	Compuestos elÃ¡sticos no lineales con condiciones de contacto imperfectas. Nova Scientia, 2014, 1, 53.	0.1	1
155	Effective behavior of viscoelastic composites: comparison of Laplaceâ€“Carson and time-domain mean-field approach. Archive of Applied Mechanics, 2022, 92, 2371-2395.	2.2	1
156	The optimal control of fracture and stress parameters in a piezoceramic halfspace with cracks. International Journal of Fracture, 2002, 118, 17-27.	2.2	0
157	Plane magneto-electro-elastic moduli of fiber composites with interphase. Proceedings of SPIE, 2009, , .	0.8	0
158	Micro-Macro Characterization of Effective Properties for Fibrous Composites With Parallelogram Cells and Imperfect Contact Condition. , 2011, , .		0
159	Effective Coefficients and Local Fields of Periodic Fibrous Piezocomposites with 622 Hexagonal Constituents. Advanced Structured Materials, 2018, , 1-26.	0.5	0
160	Thermoelastic bounds and self-consistent estimation for the overall properties of composites. Mechanics Research Communications, 2020, 107, 103555.	1.8	0
161	Elliptic functions and lattice sums for effective properties of heterogeneous materials. Continuum Mechanics and Thermodynamics, 2021, 33, 1621-1636.	2.2	0
162	Shear vertical waves in laminated coupled electro-mechanic materials with imperfect contact conditions at the interfaces. Journal of Mechanics of Materials and Structures, 2021, 16, 123-137.	0.6	0

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163	A dispersive nonlocal model for shear wave propagation in a periodically perfect/imperfect connected multi-laminated. , 0, , .		0
164	HomogeneizaciÃ³n de un material compuesto de inclusiones elipsoidales periÃ³dicas. Nova Scientia, 2015, 7, 286.	0.1	0
165	Effective Elastic Properties Using Maxwellâ€™s Approach for Transversely Isotropic Composites. Advanced Structured Materials, 2019, , 183-210.	0.5	0