Wei-qiu Chen

List of Publications by Year in Descending Order

341 papers	**9,302** citations	**49** h-index	**77** g-index
380 ext. papers	**10,736** ext. citations	**3.5** avg, IF	**6.76** L-index

#	Paper	IF	Citations
341	Static Green's Functions in Anisotropic Media **2025**,		48
340	An Interpretation of Long Short-Term Memory Recurrent Neural Network for Approximating Roots of Polynomials. *IEEE Access*, **2022**, 10, 28194-28205	3.5	2
339	Instability of compressible soft electroactive plates. *International Journal of Engineering Science*, **2021**, 162, 103474	5.7	2
338	Mechanical Manipulation of Silicon-based Schottky Diodes via Flexoelectricity. *Nano Energy*, **2021**, 83, 105855	17.1	15
337	Robust optimal design of strain-gauge-based force sensors using moving morphable components method: enhanced sensitivity and reduced cross-interference. *Structural and Multidisciplinary Optimization*, **2021**, 64, 1439-1455	3.6	1
336	Tunable guided waves in a soft phononic crystal with a line defect. *APL Materials*, **2021**, 9, 051124	5.7	3
335	Stretchable, Multifunctional Epidermal Sensor Patch for Surface Electromyography and Strain Measurements. *Advanced Intelligent Systems*, **2021**, 3, 2100031	6	4
334	Tunable flexural wave band gaps in a prestressed elastic beam with periodic smart resonators. *Mechanics of Advanced Materials and Structures*, **2021**, 28, 221-228	1.8	14
333	Low-frequency tunable topological interface states in soft phononic crystal cylinders. *International Journal of Mechanical Sciences*, **2021**, 191, 106098	5.5	18
332	Broadband topological valley transport of elastic wave in reconfigurable phononic crystal plate. *Applied Physics Letters*, **2021**, 118, 063502	3.4	23
331	Axisymmetric Free Vibration of Soft Electroactive Circular Plates under Biasing Fields. *Acta Mechanica Solida Sinica*, **2021**, 34, 326-345	2	2
330	Manipulation of the guided wave propagation in multilayered phononic plates by introducing interface delaminations. *European Journal of Mechanics, A/Solids*, **2021**, 88, 104266	3.7	6
329	Precise and target-oriented control of the low-frequency Lamb wave bandgaps. *Journal of Sound and Vibration*, **2021**, 511, 116367	3.9	2
328	Harnessing post-buckling deformation to tune sound absorption in soft Helmholtz absorbers. *International Journal of Mechanical Sciences*, **2021**, 208, 106695	5.5	5
327	Propagation of nonlinear waves in graded flexible metamaterials. *International Journal of Impact Engineering*, **2021**, 156, 103924	4	0
326	Preface to the Special Issue on the Dynamic Behaviors and Energy Absorption of Materials and Structures. *Acta Mechanica Solida Sinica*, **2021**, 34, 781-782	2	
325	Actively controllable topological phase transition in phononic beam systems. *International Journal of Mechanical Sciences*, **2020**, 180, 105668	5.5	21

324	Electrostatically tunable axisymmetric vibrations of soft electro-active tubes. *Journal of Sound and Vibration*, **2020**, 483, 115467	3.9	11
323	Programmable and scalable transfer printing with high reliability and efficiency for flexible inorganic electronics. *Science Advances*, **2020**, 6, eabb2393	14.3	35
322	Effects of strain stiffening and electrostriction on tunable elastic waves in compressible dielectric elastomer laminates. *International Journal of Mechanical Sciences*, **2020**, 176, 105572	5.5	16
321	Enhance the sensitivity of strain-gauge-based force sensors using moving morphable units method. *Structural and Multidisciplinary Optimization*, **2020**, 62, 2805-2816	3.6	1
320	Electro-mechanically guided growth and patterns. *Journal of the Mechanics and Physics of Solids*, **2020**, 143, 104073	5	3
319	Overview of the 2nd ICMAMS in Nanjing and call for papers for the third edition in College Station. *Mechanics of Advanced Materials and Structures*, **2020**, 27, 91-93	1.8	
318	Temperature Effects on PN Junctions in Piezoelectric Semiconductor Fibers with Thermoelastic and Pyroelectric Couplings. *Journal of Electronic Materials*, **2020**, 49, 3140-3148	1.9	17
317	Tunable and Active Phononic Crystals and Metamaterials. *Applied Mechanics Reviews*, **2020**, 72,	8.6	131
316	Magnetically Controllable Piezotronic Responses in a Composite Semiconductor Fiber with Multiferroic Coupling Effects. *Physica Status Solidi (A) Applications and Materials Science*, **2020**, 217, 1900621	1.6	11
315	Numerically Stable Solutions to the State Equations for Structural Analyses. *Journal of Engineering Mechanics - ASCE*, **2020**, 146, 04019136	2.4	2
314	Voltage-controlled quantum valley Hall effect in dielectric membrane-type acoustic metamaterials. *International Journal of Mechanical Sciences*, **2020**, 172, 105368	5.5	32
313	Actively controllable topological phase transition in homogeneous piezoelectric rod system. *Journal of the Mechanics and Physics of Solids*, **2020**, 137, 103824	5	43
312	Flexible manipulation of topologically protected waves in one-dimensional soft periodic plates. *International Journal of Mechanical Sciences*, **2020**, 170, 105348	5.5	15
311	Growth and patterns of residually stressed core shell soft sphere. *International Journal of Non-Linear Mechanics*, **2020**, 127, 103594	2.8	4
310	Thermally Induced Electromechanical Fields in Unimorphs of Piezoelectric Dielectrics and Nonpiezoelectric Semiconductors. *Integrated Ferroelectrics*, **2020**, 211, 117-131	0.8	2
309	Interaction between torsional deformation and mobile charges in a composite rod of piezoelectric dielectrics and nonpiezoelectric semiconductors. *Mechanics of Advanced Materials and Structures*, **2020**, 1-7	1.8	4
308	Exact axisymmetric adhesive contact analysis for a pre-deformed soft electroactive half-space. *International Journal of Solids and Structures*, **2020**, 207, 206-229	3.1	1
307	Mathematical modelling of phononic nanoplate and its size-dependent dispersion and topological properties. *Applied Mathematical Modelling*, **2020**, 88, 774-790	4.5	10

306	Experimentally tailoring acoustic topological edge states by selecting the boundary type. *Applied Physics Letters*, **2020**, 117, 033503	3.4	3
305	The effect of an exterior electric field on the instability of dielectric plates. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2020**, 476, 20200267	2.4	2
304	Effects of Magnetic Fields on PN Junctions in Piezomagnetic–Piezoelectric Semiconductor Composite Fibers. *International Journal of Applied Mechanics*, **2020**, 12, 2050085	2.4	6
303	Nonlinear response and axisymmetric wave propagation in functionally graded soft electro-active tubes. *International Journal of Mechanical Sciences*, **2020**, 187, 106006	5.5	8
302	Electrical Response of a Multiferroic Composite Semiconductor Fiber Under a Local Magnetic Field. *Acta Mechanica Solida Sinica*, **2020**, 33, 663-673	2	8
301	A double-layer metastructured beam with contact-separation switchability. *Mechanics of Advanced Materials and Structures*, **2020**, 1-9	1.8	2
300	Tailoring edge and interface states in topological metastructures exhibiting the acoustic valley Hall effect. *Science China: Physics, Mechanics and Astronomy*, **2020**, 63, 1	3.6	10
299	Pattern evolution in bending dielectric-elastomeric bilayers. *Journal of the Mechanics and Physics of Solids*, **2020**, 136, 103670	5	11
298	Electrical behaviors of a piezoelectric semiconductor fiber under a local temperature change. *Nano Energy*, **2019**, 66, 104081	17.1	27
297	Three-dimensional vibrations of multilayered hollow spheres submerged in a complex fluid. *Journal of Fluid Mechanics*, **2019**, 879, 682-715	3.7	0
296	Electrostatically tunable small-amplitude free vibrations of pressurized electro-active spherical balloons. *International Journal of Non-Linear Mechanics*, **2019**, 117, 103237	2.8	11
295	Harnessing uniaxial tension to tune Poisson's ratio and wave propagation in soft porous phononic crystals: an experimental study. *Soft Matter*, **2019**, 15, 2921-2927	3.6	30
294	Actively controllable flexural wave band gaps in beam-type acoustic metamaterials with shunted piezoelectric patches. *European Journal of Mechanics, A/Solids*, **2019**, 77, 103807	3.7	60
293	Abnormal wave propagation behaviors in two-dimensional mass–spring structures with nonlocal effect. *Mathematics and Mechanics of Solids*, **2019**, 24, 3632-3643	2.3	5
292	3D elasticity solutions for stress field analysis of FGM circular plates subject to concentrated edge forces and couples. *Acta Mechanica*, **2019**, 230, 2655-2668	2.1	1
291	Surface effect on the propagation of flexural waves in periodic nano-beam and the size-dependent topological properties. *Composite Structures*, **2019**, 216, 427-435	5.3	30
290	Research laboratory on the mechanics of smart materials and structures, Zhejiang University. *Journal of Zhejiang University: Science A*, **2019**, 20, 305-310	2.1	1
289	Piezotronic Effect of a Thin Film With Elastic and Piezoelectric Semiconductor Layers Under a Static Flexural Loading. *Journal of Applied Mechanics, Transactions ASME*, **2019**, 86,	2.7	12

288	Nanoscale Insights into Photovoltaic Hysteresis in Triple-Cation Mixed-Halide Perovskite: Resolving the Role of Polarization and Ionic Migration. *Advanced Materials*, **2019**, 31, e1902870	24	58
287	Free vibration and active control of pre-stretched multilayered electroactive plates. *International Journal of Solids and Structures*, **2019**, 180-181, 108-124	3.1	9
286	Harnessing inclusions to tune post-buckling deformation and bandgaps of soft porous periodic structures. *Journal of Sound and Vibration*, **2019**, 459, 114848	3.9	28
285	Influence of Initial Residual Stress on Growth and Pattern Creation for a Layered Aorta. *Scientific Reports*, **2019**, 9, 8232	4.9	14
284	General solutions for elasticity of transversely isotropic materials with thermal and other effects: A review. *Journal of Thermal Stresses*, **2019**, 42, 90-106	2.2	7
283	Temperature Effects on Mobile Charges in Extension of Composite Fibers of Piezoelectric Dielectrics and Non-Piezoelectric Semiconductors. *International Journal of Applied Mechanics*, **2019**, 11, 1950088	2.4	10
282	On The Effective Polarization Charges In Theextension Of A Piezoelectric Semiconductor Fiber With A Pn Junction **2019**,		1
281	Prescribing patterns in growing tubular soft matter by initial residual stress. *Soft Matter*, **2019**, 15, 8468-8474	3.4	15
280	SH wave generated Lamb wave in a plate with a localized region of material nonlinearity. *Proceedings in Applied Mathematics and Mechanics*, **2019**, 19, e201900343	0.2	
279	Geometrically nonlinear refined shell theories by Carrera Unified Formulation. *Mechanics of Advanced Materials and Structures*, **2019**, 1-21	1.8	30
278	Tuning bandgaps in metastructured beams: numerical and experimental study. *Journal of Zhejiang University: Science A*, **2019**, 20, 811-822	2.1	9
277	Static buckling of piezoelectric semiconductor fibers. *Materials Research Express*, **2019**, 6, 125919	1.7	8
276	Tunable Two-Way Unidirectional Acoustic Diodes: Design and Simulation. *Journal of Applied Mechanics, Transactions ASME*, **2019**, 86,	2.7	20
275	Coupled Extensional and Flexural Motions of a Two-Layer Plate With Interface Slip. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2019**, 141,	1.6	1
274	Theory of dislocation loops in multilayered anisotropic solids with magneto-electro-elastic couplings. *Journal of the Mechanics and Physics of Solids*, **2019**, 125, 440-471	5	11
273	Tunable bandgaps in soft phononic plates with spring-mass-like resonators. *International Journal of Mechanical Sciences*, **2019**, 151, 300-313	5.5	55
272	Finite bending and pattern evolution of the associated instability for a dielectric elastomer slab. *International Journal of Solids and Structures*, **2019**, 158, 191-209	3.1	22
271	Dispersion curves of magneto-electro-elastic imperfect cylinders filled with fluid. *Mathematics and Mechanics of Solids*, **2019**, 24, 195-211	2.3	2

270	On asymmetric bending of functionally graded solid circular plates. *Applied Mathematics and Mechanics (English Edition)*, **2018**, 39, 767-782	3.2	1
269	Buckling of a piezoelectric nanobeam with interfacial imperfection and van der Waals force: Is nonlocal effect really always dominant?. *Composite Structures*, **2018**, 194, 357-364	5.3	13
268	Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. *Composite Structures*, **2018**, 189, 560-569	5.3	149
267	Soft Ultrathin Electronics Innervated Adaptive Fully Soft Robots. *Advanced Materials*, **2018**, 30, e1706695	24	197
266	On propagation of axisymmetric waves in pressurized functionally graded elastomeric hollow cylinders. *Journal of Sound and Vibration*, **2018**, 421, 17-47	3.9	31
265	Electromechanical Fields Near a Circular PN Junction Between Two Piezoelectric Semiconductors. *Acta Mechanica Solida Sinica*, **2018**, 31, 127-140	2	23
264	Actively tunable transverse waves in soft membrane-type acoustic metamaterials. *Journal of Applied Physics*, **2018**, 123, 165304	2.5	30
263	Two-dimensional equations for thin-films of ionic conductors. *Applied Mathematics and Mechanics (English Edition)*, **2018**, 39, 1071-1088	3.2	1
262	Controllable wave propagation in a weakly nonlinear monoatomic lattice chain with nonlocal interaction and active control. *Applied Mathematics and Mechanics (English Edition)*, **2018**, 39, 1059-1070	3.2	10
261	Extension/Compression-Controlled Complete Band Gaps in 2D Chiral Square-Lattice-Like Structures. *Acta Mechanica Solida Sinica*, **2018**, 31, 51-65	2	20
260	On free vibration of piezoelectric nanospheres with surface effect. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 1101-1114	1.8	10
259	Tunable band gaps and transmission behavior of SH waves with oblique incident angle in periodic dielectric elastomer laminates. *International Journal of Mechanical Sciences*, **2018**, 146-147, 81-90	5.5	25
258	Piezotronic effects in the extension of a composite fiber of piezoelectric dielectrics and nonpiezoelectric semiconductors. *Journal of Applied Physics*, **2018**, 124, 064506	2.5	49
257	3D elasticity solution for uniformly loaded elliptical plates of functionally graded materials using complex variables method. *Archive of Applied Mechanics*, **2018**, 88, 1829-1841	2.2	3
256	Tuning Elastic Waves in Soft Phononic Crystal Cylinders Via Large Deformation and Electromechanical Coupling. *Journal of Applied Mechanics, Transactions ASME*, **2018**, 85,	2.7	39
255	Piezopotential in a bended composite fiber made of a semiconductive core and of two piezoelectric layers with opposite polarities. *Nano Energy*, **2018**, 54, 341-348	17.1	37
254	Robustly Tuning Bandgaps in Two-Dimensional Soft Phononic Crystals with Criss-Crossed Elliptical Holes. *Acta Mechanica Solida Sinica*, **2018**, 31, 573-588	2	15
253	Optimizing parameters to achieve giant deformation of an incompressible dielectric elastomeric plate. *Extreme Mechanics Letters*, **2018**, 22, 60-68	3.9	12

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252	Modified multiplicative decomposition model for tissue growth: Beyond the initial stress-free state. *Journal of the Mechanics and Physics of Solids*, **2018**, 118, 133-151	5	24
251	Bending of a Cantilever Piezoelectric Semiconductor Fiber Under an End Force. *Advanced Structured Materials*, **2018**, 261-278	0.6	14
250	Wrinkles in soft dielectric plates. *Journal of the Mechanics and Physics of Solids*, **2018**, 119, 298-318	5	45
249	An analytical model to predict material gradient and anisotropy in bamboo. *Acta Mechanica*, **2017**, 228, 2819-2833	2.1	7
248	Exact solutions for axisymmetric flexural free vibrations of inhomogeneous circular Mindlin plates with variable thickness. *Applied Mathematics and Mechanics (English Edition)*, **2017**, 38, 505-526	3.2	9
247	Interaction energy of interface dislocation loops in piezoelectric bi-crystals. *Theoretical and Applied Mechanics Letters*, **2017**, 7, 76-80	1.8	1
246	Elasticity solutions for a transversely isotropic functionally graded annular sector plate. *Acta Mechanica*, **2017**, 228, 2603-2621	2.1	5
245	An analysis of electric double layers near comb electrodes using the linearized Poisson-Nernst-Planck theory. *Journal of Applied Physics*, **2017**, 121, 044502	2.5	1
244	An analysis of the extension of a ZnO piezoelectric semiconductor nanofiber under an axial force. *Smart Materials and Structures*, **2017**, 26, 025030	3.4	84
243	Indentation of a Transversely Isotropic Thermoporoelastic Half-Space by a Rigid Circular Cylindrical Punch. *Journal of Applied Mechanics, Transactions ASME*, **2017**, 84,	2.7	4
242	On surface waves in a finitely deformed coated half-space. *International Journal of Solids and Structures*, **2017**, 128, 50-66	3.1	11
241	Buckling of a stiff thin film on an elastic graded compliant substrate. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2017**, 473, 20170410	2.4	8
240	An analysis of PN junctions in piezoelectric semiconductors. *Journal of Applied Physics*, **2017**, 122, 204502	2.5	49
239	A Two-Way Unidirectional Narrow-Band Acoustic Filter Realized by a Graded Phononic Crystal. *Journal of Applied Mechanics, Transactions ASME*, **2017**, 84,	2.7	16
238	On guided circumferential waves in soft electroactive tubes under radially inhomogeneous biasing fields. *Journal of the Mechanics and Physics of Solids*, **2017**, 99, 116-145	5	46
237	Bifurcation of pressurized functionally graded elastomeric hollow cylinders. *Composites Part B: Engineering*, **2017**, 109, 259-276	10	12
236	Mechanics of dielectric elastomers: materials, structures, and devices. *Journal of Zhejiang University: Science A*, **2016**, 17, 1-21	2.1	18
235	Carrier distribution and electromechanical fields in a free piezoelectric semiconductor rod. *Journal of Zhejiang University: Science A*, **2016**, 17, 37-44	2.1	23

234	On the Green's functions for a two-phase soft electroactive medium subjected to biasing fields. *Engineering Analysis With Boundary Elements*, **2016**, 64, 137-149	2.6	1
233	Analytical solutions for an infinite transversely isotropic functionally graded sectorial plate subjected to a concentrated force or couple at the tip. *Acta Mechanica*, **2016**, 227, 495-506	2.1	4
232	Equilibrium of transversely isotropic FGM plates with an elliptical hole: 3D elasticity solutions. *Archive of Applied Mechanics*, **2016**, 86, 1391-1414	2.2	6
231	Diffusion-induced stresses in an imperfect bilayer electrode of coin-shaped lithium-ion batteries. *European Journal of Mechanics, A/Solids*, **2016**, 55, 167-180	3.7	4
230	Propagation of extensional waves in a piezoelectric semiconductor rod. *AIP Advances*, **2016**, 6, 045301	1.5	23
229	Three-dimensional fundamental thermo-elastic solutions applied to contact problems. *Journal of Applied Physics*, **2016**, 120, 174904	2.5	5
228	Enhancing magnetoelectric effect in multiferroic composite bilayers via flexoelectricity. *Journal of Applied Physics*, **2016**, 119, 134102	2.5	28
227	Exact solutions for free vibrations of axially inhomogeneous Timoshenko beams with variable cross section. *Acta Mechanica*, **2016**, 227, 2625-2643	2.1	24
226	On buckling of a soft incompressible electroactive hollow cylinder. *International Journal of Solids and Structures*, **2016**, 97-98, 400-416	3.1	18
225	Three-dimensional elastostatic solutions for transversely isotropic functionally graded material plates containing elastic inclusion. *Applied Mathematics and Mechanics (English Edition)*, **2015**, 36, 417-426	2.2	3
224	Thin-Film Piezoelectric Actuators of Nonuniform Thickness and Nonhomogeneous Material Properties for Modulating Actuation Stress. *Mechanics of Advanced Materials and Structures*, **2015**, 22, 803-812	1.8	2
223	Surface effects on anti-plane shear waves propagating in magneto-electro-elastic nanoplates. *Smart Materials and Structures*, **2015**, 24, 095017	3.4	22
222	Some recent advances in 3D crack and contact analysis of elastic solids with transverse isotropy and multifield coupling. *Acta Mechanica Sinica/Lixue Xuebao*, **2015**, 31, 601-626	2	26
221	3D elasticity solutions for equilibrium problems of transversely isotropic FGM plates with holes. *Acta Mechanica*, **2015**, 226, 1571-1590	2.1	10
220	Comments on nonlocal effects in nano-cantilever beams. *International Journal of Engineering Science*, **2015**, 87, 47-57	5.7	169
219	Size-Dependent Thermomechanical Responses of Nano-Sized Multilayers. *Journal of Nanomechanics & Micromechanics*, **2015**, 5,		4
218	Multiple refraction switches realized by stretching elastomeric scatterers in sonic crystals. *AIP Advances*, **2015**, 5, 027138	1.5	11
217	Kink and kink-like waves in pre-stretched Mooney-Rivlin viscoelastic rods. *AIP Advances*, **2015**, 5, 087167	1.5	7

216	Statics of FGM circular plate with magneto-electro-elastic coupling: axisymmetric solutions and their relations with those for corresponding rectangular beam. *Applied Mathematics and Mechanics (English Edition)*, **2015**, 36, 581-598	3.2	16
215	Extensional Waves in a Sandwich Plate With Interface Slip. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2015**, 137,	1.6	1
214	An Inertia-Based Stabilizing Method for Quasi-Static Simulation of Unstable Crack Initiation and Propagation. *Journal of Applied Mechanics, Transactions ASME*, **2015**, 82,	2.7	16
213	Two-dimensional theory of piezoelectric shells considering surface effect. *European Journal of Mechanics, A/Solids*, **2014**, 43, 109-117	3.7	19
212	Two-dimensional equations for high-frequency extensional vibrations of piezoelectric ceramic plates with thickness poling. *Archive of Applied Mechanics*, **2014**, 84, 1917-1935	2.2	8
211	Line-integral representations for extended displacements, stresses, and interaction energy of arbitrary dislocation loops in transversely isotropic magneto-electro-elastic bimaterials. *Applied Mathematics and Mechanics (English Edition)*, **2014**, 35, 1005-1028	3.2	7
210	One-dimensional equations for coupled extensional, radial, and axial-shear motions of circular piezoelectric ceramic rods with axial poling. *Archive of Applied Mechanics*, **2014**, 84, 1677-1689	2.2	6
209	The renaissance of continuum mechanics. *Journal of Zhejiang University: Science A*, **2014**, 15, 231-240	2.1	10
208	Propagation of thickness-twist waves in elastic plates with periodically varying thickness and phononic crystals. *Ultrasonics*, **2014**, 54, 1899-903	3.5	7
207	On wave propagation in anisotropic elastic cylinders at nanoscale: surface elasticity and its effect. *Acta Mechanica*, **2014**, 225, 2743-2760	2.1	21
206	Symmetry breaking induces band gaps in periodic piezoelectric plates. *Journal of Applied Physics*, **2014**, 115, 133501	2.5	16
205	Eddy-current effect on resonant magnetoelectric coupling in magnetostrictive-piezoelectric laminated composites. *Journal of Applied Physics*, **2013**, 114, 027010	2.5	13
204	Tuning Molecular Adhesion via Material Anisotropy. *Advanced Functional Materials*, **2013**, 23, n/a-n/a	15.6	8
203	Three-phase inclusions of arbitrary shape with internal uniform hydrostatic thermal stresses. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2013**, 64, 1399-1411	1.6	3
202	Overtone frequency spectra for x3-dependent modes in AT-cut quartz resonators. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2013**, 60, 858-63	3.2	7
201	Free vibration analysis of pre-stretched plates with electromechanical coupling **2013**,		1
200	Prediction of Viscoelastic Behavior in Asphalt Concrete Using the Fast Multipole Boundary Element Method. *Journal of Materials in Civil Engineering*, **2013**, 25, 328-336	3	12
199	Two-scale analytical solutions of multilayered composite rectangular plates with in-plane small periodic structure. *European Journal of Mechanics, A/Solids*, **2013**, 40, 123-130	3.7	11

198	Two-dimensional theory of piezoelectric plates considering surface effect. *European Journal of Mechanics, A/Solids*, **2013**, 41, 50-57	3.7	53
197	Magnetoelectric effects in functionally graded multiferroic bilayers. *Journal of Applied Physics*, **2013**, 113, 084502	2.5	11
196	Indentation responses of piezoelectric layered half-space. *Smart Materials and Structures*, **2013**, 22, 015001	3.7	18
195	Wave propagation in piezoelectric cylinders with surface effects **2013**,		1
194	Non-local modelling on the buckling of a weakened nanobeam. *Micro and Nano Letters*, **2013**, 8, 102-106	0.9	9
193	Modeling of Piezoelectric Bimorph Nano-Actuators With Surface Effects. *Journal of Applied Mechanics, Transactions ASME*, **2013**, 80,	2.7	11
192	Equations for high-frequency vibrations of piezoelectric plates derived from a semi-mixed variational principle and applications in resonators. *International Journal of Applied Electromagnetics and Mechanics*, **2013**, 41, 361-373	0.4	3
191	Mechanics of indentation for piezoelectric thin films on elastic substrate. *International Journal of Solids and Structures*, **2012**, 49, 95-110	3.1	30
190	Crack tip plasticity of a penny-shaped Dugdale crack in a power-law graded elastic infinite medium. *Engineering Fracture Mechanics*, **2012**, 88, 1-14	4.2	14
189	Reverberation-ray matrix analysis for wave propagation in multiferroic plates with imperfect interfacial bonding. *Ultrasonics*, **2012**, 52, 125-32	3.5	14
188	Local superconvergence of the derivative for tensor-product block FEM. *Numerical Methods for Partial Differential Equations*, **2012**, 28, 457-475	2.5	1
187	Analysis of the coupling effects of the longitudinal and transverse displacements on the deformation and internal forces of functionally graded beams. *Proceedings in Applied Mathematics and Mechanics*, **2012**, 12, 217-218	0.2	
186	Indentation of a compressible soft electroactive half-space: Some theoretical aspects. *Acta Mechanica Sinica/Lixue Xuebao*, **2012**, 28, 1133-1142	2	7
185	Reverberation-ray analysis of continuous Timoshenko beams subject to moving loads. *JVC/Journal of Vibration and Control*, **2012**, 18, 774-784	2	10
184	Waves in pre-stretched incompressible soft electroactive cylinders: exact solution. *Acta Mechanica Solida Sinica*, **2012**, 25, 530-541	2	23
183	On propagation of anti-plane shear waves in piezoelectric plates with surface effect. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2012**, 376, 3281-3286	2.3	50
182	Three-Dimensional Pyroelectric Analysis of a Functionally Graded Piezoelectric Hollow Sphere. *Journal of Thermal Stresses*, **2012**, 35, 499-516	2.2	7
181	Two-dimensional complete rational analysis of functionally graded beams within symplectic framework. *Applied Mathematics and Mechanics (English Edition)*, **2012**, 33, 1225-1238	3.2	4

180	Penny-Shaped Dugdale Crack in a Transverse Isotropic Medium. *International Journal of Fracture*, **2012**, 176, 207-214	2.3	5
179	Effects of functionally graded materials on dynamics of molecular bond clusters. *Science China: Physics, Mechanics and Astronomy*, **2012**, 55, 980-988	3.6	6
178	Elasticity solutions for functionally graded rectangular plates with two opposite edges simply supported. *Applied Mathematical Modelling*, **2012**, 36, 488-503	4.5	30
177	Analytical solutions of heterogeneous rectangular plates with transverse small periodicity. *Composites Part B: Engineering*, **2012**, 43, 1056-1062	10	6
176	Modified Stoney's Formulas for Small-Scaled Bilayer Systems. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **2012**, 134,	1.8	2
175	Thickness-shear vibration of AT-cut quartz plates carrying finite-size particles with rotational degree of freedom and rotatory inertia. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2011**, 58, 666-70	3.2	10
174	Thickness-twist and face-shear waves in piezoelectric plates of monoclinic crystals. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2011**, 58, 2763-7	3.2	5
173	Nonlinear Responses of Nanoscale FGM Films Including the Effects of Surface Energies. *IEEE Nanotechnology Magazine*, **2011**, 10, 1321-1327	2.6	32
172	Magnetoelectric coupling in multiferroic laminated plates with giant magnetostrictive material layers. *Journal of Applied Physics*, **2011**, 110, 124514	2.5	19
171	Effects of a Mass Layer With Gradually Varying Thickness on a Quartz Crystal Microbalance. *IEEE Sensors Journal*, **2011**, 11, 1635-1639	4	15
170	Surface Effects on the Jump-in Instability of Nanomechanical Structures. *IEEE Nanotechnology Magazine*, **2011**, 10, 962-967	2.6	4
169	Analysis of the penalty version of the Arlequin framework for the prediction of structural responses with large deformations. *Journal of Zhejiang University: Science A*, **2011**, 12, 552-560	2.1	1
168	A fast multipole boundary element method for 2D viscoelastic problems. *Engineering Analysis With Boundary Elements*, **2011**, 35, 170-178	2.6	13
167	Large multiple resonance of magnetoelectric effect in a multiferroic composite cylinder with an imperfect interface. *Physica Status Solidi (B): Basic Research*, **2011**, 248, n/a-n/a	1.3	2
166	Effects of Mass Layer Nonuniformity on a Quartz-Crystal Microbalance. *IEEE Sensors Journal*, **2011**, 11, 934-938	4	10
165	Delamination assessment of a laminated composite beam using distributed piezoelectric sensor/actuator. *Smart Materials and Structures*, **2011**, 20, 075011	3.4	9
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