Jan Sladek

List of Publications by Year
in descending order

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306	5,986	71102	133252
papers	citations	41 h-index	59 g-index

310	310	310	1850
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regularization Techniques Applied to Boundary Element Methods. Applied Mechanics Reviews, 1994, 47, 457-499.	10.1	268
2	Transient heat conduction analysis in functionally graded materials by the meshless local boundary integral equation method. Computational Materials Science, 2003, 28, 494-504.	3.0	148
3	The local boundary integral equation (LBIE) and it's meshless implementation for linear elasticity. Computational Mechanics, 2000, 25, 180-198.	4.0	145
4	Local boundary integral equation (LBIE) method for solving problems of elasticity with nonhomogeneous material properties. Computational Mechanics, 2000, 24, 456-462.	4.0	118
5	Regularization of hypersingular and nearly singular integrals in the potential theory and elasticity. International Journal for Numerical Methods in Engineering, 1993, 36, 1609-1628.	2.8	101
6	Fracture analysis of functionally graded materials by a BEM. Composites Science and Technology, 2008, 68, 1209-1215.	7.8	97
7	Transient elastodynamic three-dimensional problems in cracked bodies. Applied Mathematical Modelling, 1984, 8, 2-10.	4.2	94
8	Fracture analysis in piezoelectric semiconductors under a thermal load. Engineering Fracture Mechanics, 2014, 126, 27-39.	4.3	88
9	A meshfree local RBF collocation method for anti-plane transverse elastic wave propagation analysis in 2D phononic crystals. Journal of Computational Physics, 2016, 305, 997-1014.	3.8	88
10	The MLPG analyses of large deflections of magnetoelectroelastic plates. Engineering Analysis With Boundary Elements, 2013, 37, 673-682.	3.7	87
11	Boundary integral equation method in thermoelasticity part I: general analysis. Applied Mathematical Modelling, 1983, 7, 241-253.	4.2	79
12	Fracture analysis of cracks in magneto-electro-elastic solids by the MLPG. Computational Mechanics, 2008, 42, 697-714.	4.0	72
13	3D crack analysis in functionally graded materials. Engineering Fracture Mechanics, 2011, 78, 585-604.	4.3	69
14	Fracture analysis in continuously nonhomogeneous magneto-electro-elastic solids under a thermal load by the MLPG. International Journal of Solids and Structures, 2010, 47, 1381-1391.	2.7	68
15	Inverse heat conduction problems by meshless local Petrovâ€“Galerkin method. Engineering Analysis With Boundary Elements, 2006, 30, 650-661.	3.7	67
16	Transient heat conduction in anisotropic and functionally graded media by local integral equations. Engineering Analysis With Boundary Elements, 2005, 29, 1047-1065.	3.7	64
17	Effects of material gradients on transient dynamic mode-III stress intensity factors in a FGM. International Journal of Solids and Structures, 2003, 40, 5251-5270.	2.7	63
18	Stress analysis in anisotropic functionally graded materials by the MLPG method. Engineering Analysis With Boundary Elements, 2005, 29, 597-609.	3.7	62

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19	Meshless local Petrovâ€“Galerkin method for coupled thermoelasticity analysis of a functionally graded thick hollow cylinder. Engineering Analysis With Boundary Elements, 2011, 35, 827-835.	3.7	58
20	Three dimensional crack analysis for an anisotropic body. Applied Mathematical Modelling, 1982, 6, 374-380.	4.2	57
21	Optimal transformations of the integration variables in computation of singular integrals in BEM. International Journal for Numerical Methods in Engineering, 2000, 47, 1263-1283.	2.8	57
22	Analyses of Circular Magnetoelectroelastic Plates with Functionally Graded Material Properties. Mechanics of Advanced Materials and Structures, 2015, 22, 479-489.	2.6	55
23	Dynamic stress intensity factors studied by boundary integro-differential equations. International Journal for Numerical Methods in Engineering, 1986, 23, 919-928.	2.8	53
24	A local integral equation formulation to solve coupled nonlinear reactionâ€“diffusion equations by using moving least square approximation. Engineering Analysis With Boundary Elements, 2013, 37, 8-14.	3.7	53
25	Boundary integral equation method in thermoelasticity part III: uncoupled thermoelasticity. Applied Mathematical Modelling, 1984, 8, 413-418.	4.2	52
26	Meshless local Petrov-Galerkin method for continuously nonhomogeneous linear viscoelastic solids. Computational Mechanics, 2006, 37, 279-289.	4.0	52
27	Local integro-differential equations with domain elements for the numerical solution of partial differential equations with variable coefficients. Journal of Engineering Mathematics, 2005, 51, 261-282.	1.2	50
28	Heat Conduction Analysis of 3-D Axisymmetric and Anisotropic FGM Bodies by Meshless Local Petrovâ€“Galerkin Method. Computational Mechanics, 2006, 39, 323-333.	4.0	50
29	2D transient dynamic crack analysis in piezoelectric solids by BEM. Computational Materials Science, 2007, 39, 179-186.	3.0	50
30	Meshless formulations for simply supported and clamped plate problems. International Journal for Numerical Methods in Engineering, 2002, 55, 359-375.	2.8	49
31	Evaluation of fracture parameters in continuously nonhomogeneous piezoelectric solids. International Journal of Fracture, 2007, 145, 313-326.	2.2	49
32	Singular integrals and boundary elements. Computer Methods in Applied Mechanics and Engineering, 1998, 157, 251-266.	6.6	48
33	Local BIEM for transient heat conduction analysis in 3-D axisymmetric functionally graded solids. Computational Mechanics, 2003, 32, 169-176.	4.0	47
34	Numerical integration of singularities in meshless implementation of local boundary integral equations. Computational Mechanics, 2000, 25, 394-403.	4.0	46
35	Computation of stresses in non-homogeneous elastic solids by local integral equation method: a comparative study. Computational Mechanics, 2008, 41, 827-845.	4.0	44
36	Bending analyses of 1D orthorhombic quasicrystal plates. International Journal of Solids and Structures, 2013, 50, 3975-3983.	2.7	44

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37	Three-dimensional curved crack in an elastic body. International Journal of Solids and Structures, 1983, 19, 425-436.	2.7	43
38	The Boundary Integral Equation Method for Plates Resting on a Two-Parameter Foundation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1984, 64, 137-146.	1.6	43
39	Evaluations of the T-stress for interface cracks by the boundary element method. Engineering Fracture Mechanics, 1997, 56, 813-825.	4.3	43
40	A local RBF collocation method for band structure computations of 2D solid/fluid and fluid/solid phononic crystals. International Journal for Numerical Methods in Engineering, 2017, 110, 467-500.	2.8	43
41	Contour integrals for mixed-mode crack analysis: effect of nonsingular terms. Theoretical and Applied Fracture Mechanics, 1997, 27, 115-127.	4.7	42
42	An advanced numerical method for computing elastodynamic fracture parameters in functionally graded materials. Computational Materials Science, 2005, 32, 532-543.	3.0	42
43	Meshless local boundary integral equation method for 2D elastodynamic problems. International Journal for Numerical Methods in Engineering, 2003, 57, 235-249.	2.8	41
44	Fracture mechanics analysis of size-dependent piezoelectric solids. International Journal of Solids and Structures, 2017, 113-114, 1-9.	2.7	40
45	Nonsingular BEM formulations for thin-walled structures and elastostatic crack problems. Acta Mechanica, 1993, 99, 173-190.	2.1	39
46	Threeâ€dimensional analysis of functionally graded plates. International Journal for Numerical Methods in Engineering, 2011, 87, 923-942.	2.8	38
47	Coupling effects in elastic analysis of FGM composite plates by mesh-free methods. Composite Structures, 2014, 115, 100-110.	5.8	38
48	Band structure computation of in-plane elastic waves in 2D phononic crystals by a meshfree local RBF collocation method. Engineering Analysis With Boundary Elements, 2016, 66, 77-90.	3.7	37
49	Meshless LBIE formulations for simply supported and clamped plates under dynamic load. Computers and Structures, 2003, 81, 1643-1651.	4.4	35
50	Analysis of an interface crack between two dissimilar piezoelectric solids. Engineering Fracture Mechanics, 2012, 89, 114-127.	4.3	34
51	Influence of electric conductivity on intensity factors for cracks in functionally graded piezoelectric semiconductors. International Journal of Solids and Structures, 2015, 59, 79-89.	2.7	34
52	Effects of electric field and strain gradients on cracks in piezoelectric solids. European Journal of Mechanics, A/Solids, 2018, 71, 187-198.	3.7	34
53	Numerical integration of logarithmic and nearly logarithmic singularity in BEMs. Applied Mathematical Modelling, 2001, 25, 901-922.	4.2	33
54	A meshless local boundary integral equation method for dynamic anti-plane shear crack problem in functionally graded materials. Engineering Analysis With Boundary Elements, 2005, 29, 334-342.	3.7	33

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55	Non-singular boundary integral representation of stresses. International Journal for Numerical Methods in Engineering, 1992, 33, 1481-1499.	2.8	32
56	Meshless local Petrovâ€“Galerkin (MLPG) method for Reissnerâ€“Mindlin plates under dynamic load. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 2681-2691.	6.6	32
57	Dynamic crack analysis in piezoelectric solids with non-linear electrical and mechanical boundary conditions by a time-domain BEM. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2848-2858.	6.6	32
58	A collocation mixed finite element method for the analysis of flexoelectric solids. International Journal of Solids and Structures, 2021, 217-218, 27-39.	2.7	32
59	A boundary integral equation method for dynamic crack problems. Engineering Fracture Mechanics, 1987, 27, 269-277.	4.3	31
60	A local BIEM for analysis of transient heat conduction with nonlinear source terms in FGMs. Engineering Analysis With Boundary Elements, 2004, 28, 1-11.	3.7	31
61	Transient heat conduction analysis by triple-reciprocity boundary element method. Engineering Analysis With Boundary Elements, 2006, 30, 194-204.	3.7	31
62	Analysis of thick functionally graded plates by local integral equation method. Communications in Numerical Methods in Engineering, 2006, 23, 733-754.	1.3	31
63	Transient dynamic analysis of interface cracks in layered anisotropic solids under impact loading. International Journal of Fracture, 2009, 157, 131-147.	2.2	31
64	Path-independent integral in fracture mechanics of quasicrystals. Engineering Fracture Mechanics, 2015, 140, 61-71.	4.3	30
65	Improved computation of stresses using the boundary element method. Applied Mathematical Modelling, 1986, 10, 249-255.	4.2	29
66	Dynamic 3D axisymmetric problems in continuously non-homogeneous piezoelectric solids. International Journal of Solids and Structures, 2008, 45, 4523-4542.	2.7	29
67	Physical decomposition of thin plate bending problems and their solution by mesh-free methods. Engineering Analysis With Boundary Elements, 2013, 37, 348-365.	3.7	29
68	Analyses of functionally graded plates with a magnetoelectroelastic layer. Smart Materials and Structures, 2013, 22, 035003.	3.5	29
69	Analysis of the bending of circular piezoelectric plates with functionally graded material properties by a MLPG method. Engineering Structures, 2013, 47, 81-89.	5.3	29
70	Application of meshless local integral equations to two dimensional analysis of coupled non-Fick diffusionâ€“elasticity. Engineering Analysis With Boundary Elements, 2013, 37, 603-615.	3.7	29
71	Local integral equations implemented by MLS-approximation and analytical integrations. Engineering Analysis With Boundary Elements, 2010, 34, 904-913.	3.7	28
72	Micromechanics determination of effective material coefficients of cement-based piezoelectric ceramic composites. Journal of Intelligent Material Systems and Structures, 2018, 29, 845-862.	2.5	28

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73	Meshless local boundary integral equation method for simply supported and clamped plates resting on elastic foundation. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 5943-5959.	6.6	27
74	Non-local boundary integral formulation for softening damage. International Journal for Numerical Methods in Engineering, 2003, 57, 103-116.	2.8	27
75	Two dimensional transient analysis of coupled non-Fick diffusionâ€“thermoelasticity based on Greenâ€“Naghdi theory using the meshless local Petrovâ€“Galerkin (MLPG) method. International Journal of Mechanical Sciences, 2014, 82, 74-80.	6.7	27
76	The nonlocal and gradient theories for a large deformation of piezoelectric nanoplates. Composite Structures, 2017, 172, 119-129.	5.8	27
77	Boundary integral equation method in thermoelasticity: part II crack analysis. Applied Mathematical Modelling, 1984, 8, 27-36.	4.2	26
78	Crack analysis in unidirectionally and bidirectionally functionally graded materials. International Journal of Fracture, 2004, 129, 385-406.	2.2	26
79	Local integral equation method for potential problems in functionally graded anisotropic materials. Engineering Analysis With Boundary Elements, 2005, 29, 829-843.	3.7	26
80	Title is missing!. International Journal of Fracture, 1997, 86, 199-219.	2.2	25
81	Crack analysis in decagonal quasicrystals by the MLPG. International Journal of Fracture, 2013, 181, 115-126.	2.2	25
82	Analysis of orthotropic thick plates by meshless local Petrov-Galerkin (MLPG) method. International Journal for Numerical Methods in Engineering, 2006, 67, 1830-1850.	2.8	24
83	A BDEM for transient thermoelastic crack problems in functionally graded materials under thermal shock. Computational Materials Science, 2012, 57, 30-37.	3.0	24
84	Evaluation of effective material properties in magneto-electro-elastic composite materials. Composite Structures, 2017, 174, 176-186.	5.8	24
85	Bending of FGM plates under thermal load: Classical thermoelasticity analysis by a meshless method. Composites Part B: Engineering, 2018, 146, 176-188.	12.0	24
86	A meshless method for large deflection of plates. Computational Mechanics, 2003, 30, 155-163.	4.0	23
87	Thermoelastic crack analysis in functionally graded materials and structures by a BEM. Fatigue and Fracture of Engineering Materials and Structures, 2012, 35, 742-766.	3.4	23
88	Static and Dynamic Analysis of Shallow Shells with Functionally Graded and Orthotropic Material Properties. Mechanics of Advanced Materials and Structures, 2008, 15, 142-156.	2.6	22
89	The FEM analysis of FGM piezoelectric semiconductor problems. Composite Structures, 2017, 163, 13-20.	5.8	22
90	Stress analysis by combination of holographic interferometry and boundary-integral method. Experimental Mechanics, 1983, 23, 196-202.	2.0	21

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91	Regularization of hypersingular integrals in BEM formulations using various kinds of continuous elements. Engineering Analysis With Boundary Elements, 1996, 17, 5-18.	3.7	21
92	Numerical Analysis of Cracked Functionally Graded Materials. Key Engineering Materials, 2003, 251-252, 463-472.	0.4	21
93	Effective properties of cement-based porous piezoelectric ceramic composites. Construction and Building Materials, 2018, 190, 1208-1214.	7.2	21
94	An advanced boundary element method for elasticity problems in nonhomogeneous media. Acta Mechanica, 1993, 97, 71-90.	2.1	20
95	Integral formulation for elastodynamic T-stresses. International Journal of Fracture, 1997, 84, 103-116.	2.2	20
96	Application of the Local Boundary Integral Equation Method to Boundary-Value Problems. International Applied Mechanics, 2002, 38, 1025-1047.	0.6	20
97	Semi-permeable crack analysis in magnetoelectroelastic solids. Smart Materials and Structures, 2012, 21, 025003.	3.5	20
98	Local integral equation formulation for axially symmetric problems involving elastic FGM. Engineering Analysis With Boundary Elements, 2008, 32, 1012-1024.	3.7	19
99	Nonlocal coupled photo-thermoelasticity analysis in a semiconducting micro/nano beam resonator subjected to plasma shock loading: A Green-Naghdi-based analytical solution. Applied Mathematical Modelling, 2020, 88, 631-651.	4.2	19
100	Local boundary integral equations for orthotropic shallow shells. International Journal of Solids and Structures, 2007, 44, 2285-2303.	2.7	18
101	A hypersingular timeâ€domain BEM for 2D dynamic crack analysis in anisotropic solids. International Journal for Numerical Methods in Engineering, 2009, 78, 127-150.	2.8	18
102	Antiplane crack analysis of a functionally graded material by a BIEM. Computational Materials Science, 2005, 32, 611-619.	3.0	17
103	A frequency-domain BEM for 3D non-synchronous crack interaction analysis in elastic solids. Engineering Analysis With Boundary Elements, 2006, 30, 167-175.	3.7	17
104	Enhancement of the magnetoelectric coefficient in functionally graded multiferroic composites. Journal of Intelligent Material Systems and Structures, 2012, 23, 1649-1658.	2.5	17
105	Coupled BEMâ€“MLPG acoustic analysis for non-homogeneous media. Engineering Analysis With Boundary Elements, 2014, 44, 161-169.	3.7	17
106	Extrapolated local radial basis function collocation method for shallow water problems. Engineering Analysis With Boundary Elements, 2015, 50, 275-290.	3.7	17
107	A new method for numerical evaluation of nearly singular integrals over high-order geometry elements in 3D BEM. Journal of Computational and Applied Mathematics, 2015, 277, 57-72.	2.0	17
108	Elastodynamics of FGM plates by mesh-free method. Composite Structures, 2016, 140, 309-322.	5.8	17

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109	Meshless analyses for time-fractional heat diffusion in functionally graded materials. Engineering Analysis With Boundary Elements, 2016, 62, 57-64.	3.7	17
110	Crack analysis of size-dependent piezoelectric solids under a thermal load. Engineering Fracture Mechanics, 2017, 182, 187-201.	4.3	17
111	Anisotropic transient thermoelasticity analysis in a two-dimensional decagonal quasicrystal using meshless local Petrovâ€“Galerkin (MLPG) method. Applied Mathematical Modelling, 2019, 66, 275-295.	4.2	17
112	Size-dependent direct and converse flexoelectricity around a micro-hole. Acta Mechanica, 2020, 231, 4851-4865.	2.1	17
113	Fracture analysis of functionally graded material by hybrid meshless displacement discontinuity method. Engineering Fracture Mechanics, 2021, 247, 107591.	4.3	17
114	The Effect of Micro-Inertia and Flexoelectricity on Love Wave Propagation in Layered Piezoelectric Structures. Nanomaterials, 2021, 11, 2270.	4.1	17
115	The BIE analysis of the Berger equation. Ingenieur-Archiv, 1983, 53, 385-397.	0.6	16
116	Computation of the second fracture parameter in elastodynamics by the boundary element method. Advances in Engineering Software, 1999, 30, 725-734.	3.8	16
117	Application of local boundary integral equation method into micropolar elasticity. Engineering Analysis With Boundary Elements, 2003, 27, 81-90.	3.7	16
118	Modified meshless local Petrovâ€“Galerkin formulations for elastodynamics. International Journal for Numerical Methods in Engineering, 2012, 90, 1508-1828.	2.8	16
119	Flexoelectric effect in dielectrics under a dynamic load. Composite Structures, 2021, 260, 113528.	5.8	16
120	Analytical Studies on Mode III Fracture in Flexoelectric Solids. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	16
121	Multiple reciprocity method in BEM formulations for solution of plate bending problems. Engineering Analysis With Boundary Elements, 1996, 17, 161-173.	3.7	15
122	Evaluation of 1/r integrals in BEM formulations for 3-D problems using coordinate multitransformations. Engineering Analysis With Boundary Elements, 1997, 20, 229-244.	3.7	15
123	Local integral equation method for viscoelastic Reissnerâ€“Mindlin plates. Computational Mechanics, 2008, 41, 759-768.	4.0	15
124	Evaluation of the Stress Intensity Factors for Cracks in Continuously Nonhomogeneous Solids, Part II: Meshless Method. Mechanics of Advanced Materials and Structures, 2008, 15, 444-452.	2.6	15
125	Dynamic crack analysis in piezoelectric solids under time-harmonic loadings with a symmetric Galerkin boundary element method. Engineering Analysis With Boundary Elements, 2017, 84, 141-153.	3.7	15
126	A cantilever beam analysis with flexomagnetic effect. Meccanica, 2021, 56, 2281-2292.	2.0	15

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127	Computation of thermal stresses in quasistatic non-stationary thermoelasticity using boundary elements. International Journal for Numerical Methods in Engineering, 1989, 28, 1131-1144.	2.8	14
128	Non-singular boundary integral representation of potential field gradients. International Journal for Numerical Methods in Engineering, 1992, 33, 1181-1195.	2.8	14
129	Multiple reciprocity method for harmonic vibration of thin elastic plates. Applied Mathematical Modelling, 1993, 17, 468-476.	4.2	14
130	Global and local Trefftz boundary integral formulations for sound vibration. Advances in Engineering Software, 2002, 33, 469-476.	3.8	14
131	Application of mapping theory to boundary integral formulation of 3D dynamic crack problems. Engineering Analysis With Boundary Elements, 2003, 27, 203-213.	3.7	14
132	Evaluation of the Stress Intensity Factors for Cracks in Continuously Nonhomogeneous Solids, Part I: Interaction Integral. Mechanics of Advanced Materials and Structures, 2008, 15, 438-443.	2.6	14
133	Nonâ€linear dynamic analyses by meshless local Petrovâ€“Galerkin formulations. International Journal for Numerical Methods in Engineering, 2010, 81, 1687-1699.	2.8	14
134	Computation of nearly singular integrals in 3D BEM. Engineering Analysis With Boundary Elements, 2014, 48, 32-42.	3.7	14
135	Crack analyses in porous piezoelectric brittle materials by the SBFEM. Engineering Fracture Mechanics, 2016, 160, 78-94.	4.3	14
136	Local radial basis function collocation method for bending analyses of quasicrystal plates. Applied Mathematical Modelling, 2017, 50, 463-483.	4.2	14
137	Analysis of a curved Timoshenko nano-beam with flexoelectricity. Acta Mechanica, 2021, 232, 1563-1581.	2.1	14
138	Size effect in piezoelectric semiconductor nanostructures. Journal of Intelligent Material Systems and Structures, 2022, 33, 1351-1363.	2.5	14
139	On two hypersingular time-domain BEM for dynamic crack analysis in 2D anisotropic elastic solids. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 2812-2824.	6.6	13
140	Mindlin theory for the bending of porous plates. Acta Mechanica, 2015, 226, 1909-1928.	2.1	13
141	Unified analytical expressions of the three-dimensional fundamental solutions and their derivatives for linear elastic anisotropic materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150272.	2.1	13
142	Micromechanics determination of effective properties of voided magnetoelectroelastic materials. Computational Materials Science, 2016, 116, 103-112.	3.0	13
143	FGM micro/nano-plates within modified couple stress elasticity. Composite Structures, 2020, 245, 112294.	5.8	13
144	Eigenvalue analysis of three-dimensional Helmholtz equation. Engineering Analysis With Boundary Elements, 1993, 11, 165-170.	3.7	12

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145	Computation of thermoelastoplastic stresses in crack problems by the BEM. International Journal of Fracture, 1997, 83, 359-378.	2.2	12
146	Displacement discontinuity method for cracked orthotropic strip: Dynamic. Wave Motion, 2008, 45, 293-308.	2.0	12
147	Evaluation of the T-stress for cracks in functionally graded materials by the FEM. Theoretical and Applied Fracture Mechanics, 2016, 86, 332-341.	4.7	12
148	Static and dynamic behavior of porous elastic materials based on micro-dilatation theory: A numerical study using the MLPG method. International Journal of Solids and Structures, 2016, 96, 126-135.	2.7	12
149	Gradient elasticity theory enrichment of plate bending theories. Composite Structures, 2018, 202, 447-457.	5.8	12
150	Coupling effects in transient analysis of FGM plates bending in non-classical thermoelasticity. Composites Part B: Engineering, 2019, 165, 233-246.	12.0	12
151	A novel gradient theory for thermoelectric material structures. International Journal of Solids and Structures, 2020, 206, 292-303.	2.7	12
152	Hybrid meshless/displacement discontinuity method for FGM Reissner's plate with cracks. Applied Mathematical Modelling, 2021, 90, 1226-1244.	4.2	12
153	Stress Concentration Near an Elliptic Crack in the Interface Between Elastic Bodies under Steady-State Vibrations. International Applied Mechanics, 2004, 40, 664-671.	0.6	11
154	Domain element local integral equation method for potential problems in anisotropic and functionally graded materials. Computational Mechanics, 2005, 37, 78-85.	4.0	11
155	The influences of non-linear electrical, magnetic and mechanical boundary conditions on the dynamic intensity factors of magnetoelectroelastic solids. Engineering Fracture Mechanics, 2013, 97, 297-313.	4.3	11
156	The local integral equation method for pattern formation simulations in reactionâ€“diffusion systems. Engineering Analysis With Boundary Elements, 2015, 50, 329-340.	3.7	11
157	The MLPG for crack analyses in composites with flexoelectricity effects. Composite Structures, 2018, 204, 105-113.	5.8	11
158	Hybrid meshless displacement discontinuity method (MDDM) in fracture mechanics: Static and dynamic. European Journal of Mechanics, A/Solids, 2020, 83, 104023.	3.7	11
159	Analysis of coupling effects in FGM piezoelectric plates by a meshless method. Composite Structures, 2020, 244, 112256.	5.8	11
160	Boundary element method analysis of stationary thermoelasticity problems in non-homogeneous media. International Journal for Numerical Methods in Engineering, 1990, 30, 505-516.	2.8	10
161	Fracture Mechanics Analysis of 2-D FGMs by a Meshless BEM. Key Engineering Materials, 2006, 324-325, 1165-1172.	0.4	10
162	Inverse heat conduction problems in three-dimensional anisotropic functionally graded solids. Journal of Engineering Mathematics, 2012, 75, 157-171.	1.2	10

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163	Three-dimensional analysis for functionally graded piezoelectric semiconductors. Journal of Intelligent Material Systems and Structures, 2017, 28, 1391-1406.	2.5	10
164	Crack analysis of nano-sized thermoelectric material structures. Engineering Fracture Mechanics, 2020, 234, 107078.	4.3	10
165	Thermal stress analysis in horizontal bridgman grown crystals. Journal of Crystal Growth, 1990, 104, 419-427.	1.5	9
166	Regularized integral representation of thermoelastic stresses. Engineering Analysis With Boundary Elements, 1991, 8, 224-230.	3.7	9
167	Dynamic Response of a Crack in a Functionally Graded Material under an Anti-Plane Shear Impact Load. Key Engineering Materials, 2003, 251-252, 123-136.	0.4	9
168	A new boundary integral equation formulation for plane orthotropic elastic media. Applied Mathematical Modelling, 2012, 36, 4862-4875.	4.2	9
169	On two accurate methods for computing 3D Green×³s function and its first and second derivatives in piezoelectricity. Engineering Analysis With Boundary Elements, 2015, 61, 183-193.	3.7	9
170	Gradient piezoelectricity for cracks under an impact load. International Journal of Fracture, 2018, 210, 95-111.	2.2	9
171	Gradient theory for crack problems in quasicrystals. European Journal of Mechanics, A/Solids, 2019, 77, 103813.	3.7	9
172	Numerical study of size effects in micro/nano plates by moving finite elements. Composite Structures, 2019, 212, 291-303.	5.8	9
173	Boundary integral equation method in micropolar elasticity. Applied Mathematical Modelling, 1983, 7, 433-440.	4.2	8
174	On the boundary integral equation method in the classical plate theory. Mechanics Research Communications, 1983, 10, 111-120.	1.8	8
175	Why use double nodes in BEM?. Engineering Analysis With Boundary Elements, 1991, 8, 109-112.	3.7	8
176	A meshless local boundary integral equation method for heat conduction analysis in nonhomogeneous solids. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2004, 27, 517-539.	1.1	8
177	Analysis of Thermo-Piezoelectricity Problems by Meshless Method. Acta Mechanica Slovaca, 2010, 14, 16-27.	0.1	8
178	Three-dimensional unsteady thermal stress analysis by triple-reciprocity boundary element method. Engineering Analysis With Boundary Elements, 2013, 37, 116-127.	3.7	8
179	Angular basis functions formulation for 2D potential flows with non-smooth boundaries. Engineering Analysis With Boundary Elements, 2015, 61, 1-15.	3.7	8
180	Two dimensional analysis of coupled non-Fick diffusion-elastodynamics problems in functionally graded materials using meshless local Petrovâ€“Galerkin (MLPG) method. Applied Mathematics and Computation, 2015, 268, 937-946.	2.2	8

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181	Modelling of orthorhombic quasicrystal shallow shells. European Journal of Mechanics, A/Solids, 2015, 49, 518-530.	3.7	8
182	Effective properties of coated fiber composites with piezoelectric and piezomagnetic phases. Journal of Intelligent Material Systems and Structures, 2017, 28, 97-107.	2.5	8
183	Viscoelastic crack analysis by the boundary integral equation method. Ingenieur-Archiv, 1984, 54, 275-282.	0.6	7
184	Boundary-element solution of some structural-acoustic coupling problems using the multiple reciprocity method. Communications in Numerical Methods in Engineering, 1994, 10, 237-248.	1.3	7
185	A meshless method for axisymmetric problems in continuously nonhomogeneous saturated porous media. Computers and Geotechnics, 2014, 62, 100-109.	4.7	7
186	The effect of couple stresses on the stress field around a penny-shaped crack. International Journal of Fracture, 1984, 25, 109-119.	2.2	6
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