Jan Sladek

List of Publications by Year
in descending order

271	5,359	81134	134859
papers	citations	38 h-index	57 g-index

277	277	277	1750
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	270
2	Transient heat conduction analysis in functionally graded materials by the meshless local boundary integral equation method. Computational Materials Science, 2003, 28, 494-504.	3.1	150
3	The local boundary integral equation (LBIE) and it's meshless implementation for linear elasticity. Computational Mechanics, 2000, 25, 180-198.	3.9	145
4	Local boundary integral equation (LBIE) method for solving problems of elasticity with nonhomogeneous material properties. Computational Mechanics, 2000, 24, 456-462.	3.9	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	103
6	Fracture analysis of functionally graded materials by a BEM. Composites Science and Technology, 2008, 68, 1209-1215.	7.9	98
7	Fracture analysis in piezoelectric semiconductors under a thermal load. Engineering Fracture Mechanics, 2014, 126, 27-39.	4.3	91
8	The MLPG analyses of large deflections of magnetoelectroelastic plates. Engineering Analysis With Boundary Elements, 2013, 37, 673-682.	3.7	89
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.	3.9	89
10	Fracture analysis of cracks in magneto-electro-elastic solids by the MLPG. Computational Mechanics, 2008, 42, 697-714.	3.9	73
11	3D crack analysis in functionally graded materials. Engineering Fracture Mechanics, 2011, 78, 585-604.	4.3	71
12	Inverse heat conduction problems by meshless local Petrovâ€“Galerkin method. Engineering Analysis With Boundary Elements, 2006, 30, 650-661.	3.7	69
13	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	69
14	Transient heat conduction in anisotropic and functionally graded media by local integral equations. Engineering Analysis With Boundary Elements, 2005, 29, 1047-1065.	3.7	65
15	Stress analysis in anisotropic functionally graded materials by the MLPG method. Engineering Analysis With Boundary Elements, 2005, 29, 597-609.	3.7	64
16	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
17	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	59
18	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	58

#	Article	IF	Citations
19	Analyses of Circular Magnetoelectroelastic Plates with Functionally Graded Material Properties. Mechanics of Advanced Materials and Structures, 2015, 22, 479-489.	2.5	58
20	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	54
21	Meshless local Petrov-Galerkin method for continuously nonhomogeneous linear viscoelastic solids. Computational Mechanics, 2006, 37, 279-289.	3.9	53
22	Heat Conduction Analysis of 3-D Axisymmetric and Anisotropic FGM Bodies by Meshless Local Petrovâ€“Galerkin Method. Computational Mechanics, 2006, 39, 323-333.	3.9	52
23	Meshless formulations for simply supported and clamped plate problems. International Journal for Numerical Methods in Engineering, 2002, 55, 359-375.	2.8	50
24	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
25	Singular integrals and boundary elements. Computer Methods in Applied Mechanics and Engineering, 1998, 157, 251-266.	6.7	49
26	Evaluation of fracture parameters in continuously nonhomogeneous piezoelectric solids. International Journal of Fracture, 2007, 145, 313-326.	2.2	49
27	Local BIEM for transient heat conduction analysis in 3-D axisymmetric functionally graded solids. Computational Mechanics, 2003, 32, 169-176.	3.9	47
28	Bending analyses of 1D orthorhombic quasicrystal plates. International Journal of Solids and Structures, 2013, 50, 3975-3983.	2.7	47
29	Numerical integration of singularities in meshless implementation of local boundary integral equations. Computational Mechanics, 2000, 25, 394-403.	3.9	46
30	Fracture mechanics analysis of size-dependent piezoelectric solids. International Journal of Solids and Structures, 2017, 113-114, 1-9.	2.7	45
31	Evaluations of the T-stress for interface cracks by the boundary element method. Engineering Fracture Mechanics, 1997, 56, 813-825.	4.3	44
32	Computation of stresses in non-homogeneous elastic solids by local integral equation method: a comparative study. Computational Mechanics, 2008, 41, 827-845.	3.9	44
33	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
34	Contour integrals for mixed-mode crack analysis: effect of nonsingular terms. Theoretical and Applied Fracture Mechanics, 1997, 27, 115-127.	4.7	42
35	An advanced numerical method for computing elastodynamic fracture parameters in functionally graded materials. Computational Materials Science, 2005, 32, 532-543.	3.1	42
36	Meshless local boundary integral equation method for 2D elastodynamic problems. International Journal for Numerical Methods in Engineering, 2003, 57, 235-249.	2.8	41

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37	Nonsingular BEM formulations for thin-walled structures and elastostatic crack problems. Acta Mechanica, 1993, 99, 173-190.	2.1	39
38	Coupling effects in elastic analysis of FGM composite plates by mesh-free methods. Composite Structures, 2014, 115, 100-110.	5.9	39
39	Threeâ€dimensional analysis of functionally graded plates. International Journal for Numerical Methods in Engineering, 2011, 87, 923-942.	2.8	38
40	Analysis of an interface crack between two dissimilar piezoelectric solids. Engineering Fracture Mechanics, 2012, 89, 114-127.	4.3	38
41	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	38
42	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	38
43	Effects of electric field and strain gradients on cracks in piezoelectric solids. European Journal of Mechanics, A/Solids, 2018, 71, 187-198.	3.8	38
44	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	38
45	Meshless LBIE formulations for simply supported and clamped plates under dynamic load. Computers and Structures, 2003, 81, 1643-1651.	4.5	35
46	Non-singular boundary integral representation of stresses. International Journal for Numerical Methods in Engineering, 1992, 33, 1481-1499.	2.8	33
47	Numerical integration of logarithmic and nearly logarithmic singularity in BEMs. Applied Mathematical Modelling, 2001, 25, 901-922.	4.3	33
48	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
49	Meshless local Petrovâ€“Galerkin (MLPG) method for Reissnerâ€“Mindlin plates under dynamic load. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 2681-2691.	6.7	32
50	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.	6.7	32
51	Analyses of functionally graded plates with a magnetoelectroelastic layer. Smart Materials and Structures, 2013, 22, 035003.	3.4	32
52	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
53	Transient heat conduction analysis by triple-reciprocity boundary element method. Engineering Analysis With Boundary Elements, 2006, 30, 194-204.	3.7	31
54	Analysis of thick functionally graded plates by local integral equation method. Communications in Numerical Methods in Engineering, 2006, 23, 733-754.	1.3	31

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55	Transient dynamic analysis of interface cracks in layered anisotropic solids under impact loading. International Journal of Fracture, 2009, 157, 131-147.	2.2	31
56	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	31
57	Micromechanics determination of effective material coefficients of cement-based piezoelectric ceramic composites. Journal of Intelligent Material Systems and Structures, 2018, 29, 845-862.	2.6	31
58	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	30
59	Path-independent integral in fracture mechanics of quasicrystals. Engineering Fracture Mechanics, 2015, 140, 61-71.	4.3	30
60	Dynamic 3D axisymmetric problems in continuously non-homogeneous piezoelectric solids. International Journal of Solids and Structures, 2008, 45, 4523-4542.	2.7	29
61	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
62	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.	6.7	28
63	Local integral equations implemented by MLS-approximation and analytical integrations. Engineering Analysis With Boundary Elements, 2010, 34, 904-913.	3.7	28
64	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.	6.8	27
65	The nonlocal and gradient theories for a large deformation of piezoelectric nanoplates. Composite Structures, 2017, 172, 119-129.	5.9	27
66	Crack analysis in unidirectionally and bidirectionally functionally graded materials. International Journal of Fracture, 2004, 129, 385-406.	2.2	26
67	Local integral equation method for potential problems in functionally graded anisotropic materials. Engineering Analysis With Boundary Elements, 2005, 29, 829-843.	3.7	26
68	Thermoelastic crack analysis in functionally graded materials and structures by a BEM. Fatigue and Fracture of Engineering Materials and Structures, 2012, 35, 742-766.	3.3	26
69	Title is missing!. International Journal of Fracture, 1997, 86, 199-219.	2.2	25
70	A BDEM for transient thermoelastic crack problems in functionally graded materials under thermal shock. Computational Materials Science, 2012, 57, 30-37.	3.1	25
71	Crack analysis in decagonal quasicrystals by the MLPG. International Journal of Fracture, 2013, 181, 115-126.	2.2	25
72	The FEM analysis of FGM piezoelectric semiconductor problems. Composite Structures, 2017, 163, 13-20.	5.9	25

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73	Bending of FGM plates under thermal load: Classical thermoelasticity analysis by a meshless method. Composites Part B: Engineering, 2018, 146, 176-188.	12.0	25
74	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
75	Evaluation of effective material properties in magneto-electro-elastic composite materials. Composite Structures, 2017, 174, 176-186.	5.9	24
76	Effective properties of cement-based porous piezoelectric ceramic composites. Construction and Building Materials, 2018, 190, 1208-1214.	7.2	24
77	A meshless method for large deflection of plates. Computational Mechanics, 2003, 30, 155-163.	3.9	23
78	Static and Dynamic Analysis of Shallow Shells with Functionally Graded and Orthotropic Material Properties. Mechanics of Advanced Materials and Structures, 2008, 15, 142-156.	2.5	23
79	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
80	Numerical Analysis of Cracked Functionally Graded Materials. Key Engineering Materials, 2003, 251-252, 463-472.	0.2	21
81	An advanced boundary element method for elasticity problems in nonhomogeneous media. Acta Mechanica, 1993, 97, 71-90.	2.1	20
82	Integral formulation for elastodynamic T-stresses. International Journal of Fracture, 1997, 84, 103-116.	2.2	20
83	Application of the Local Boundary Integral Equation Method to Boundary-Value Problems. International Applied Mechanics, 2002, 38, 1025-1047.	0.6	20
84	Semi-permeable crack analysis in magnetoelectroelastic solids. Smart Materials and Structures, 2012, 21, 025003.	3.4	20
85	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.	4.3	20
86	Flexoelectric effect in dielectrics under a dynamic load. Composite Structures, 2021, 260, 113528.	5.9	20
87	Fracture analysis of functionally graded material by hybrid meshless displacement discontinuity method. Engineering Fracture Mechanics, 2021, 247, 107591.	4.3	20
88	Local integral equation formulation for axially symmetric problems involving elastic FGM. Engineering Analysis With Boundary Elements, 2008, 32, 1012-1024.	3.7	19
89	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	19
90	Crack analysis of size-dependent piezoelectric solids under a thermal load. Engineering Fracture Mechanics, 2017, 182, 187-201.	4.3	19

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91	Anisotropic transient thermoelasticity analysis in a two-dimensional decagonal quasicrystal using meshless local Petrovâ€“Galerkin (MLPG) method. Applied Mathematical Modelling, 2019, 66, 275-295.	4.3	19
92	The Effect of Micro-Inertia and Flexoelectricity on Love Wave Propagation in Layered Piezoelectric Structures. Nanomaterials, 2021, 11, 2270.	4.2	19
93	Local boundary integral equations for orthotropic shallow shells. International Journal of Solids and Structures, 2007, 44, 2285-2303.	2.7	18
94	Enhancement of the magnetoelectric coefficient in functionally graded multiferroic composites. Journal of Intelligent Material Systems and Structures, 2012, 23, 1649-1658.	2.6	18
95	Coupled BEMâ€“MLPG acoustic analysis for non-homogeneous media. Engineering Analysis With Boundary Elements, 2014, 44, 161-169.	3.7	18
96	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	18
97	Antiplane crack analysis of a functionally graded material by a BIEM. Computational Materials Science, 2005, 32, 611-619.	3.1	17
98	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
99	Extrapolated local radial basis function collocation method for shallow water problems. Engineering Analysis With Boundary Elements, 2015, 50, 275-290.	3.7	17
100	Elastodynamics of FGM plates by mesh-free method. Composite Structures, 2016, 140, 309-322.	5.9	17
101	Meshless analyses for time-fractional heat diffusion in functionally graded materials. Engineering Analysis With Boundary Elements, 2016, 62, 57-64.	3.7	17
102	Size-dependent direct and converse flexoelectricity around a micro-hole. Acta Mechanica, 2020, 231, 4851-4865.	2.1	17
103	Multiple reciprocity method in BEM formulations for solution of plate bending problems. Engineering Analysis With Boundary Elements, 1996, 17, 161-173.	3.7	16
104	Computation of the second fracture parameter in elastodynamics by the boundary element method. Advances in Engineering Software, 1999, 30, 725-734.	3.8	16
105	Application of local boundary integral equation method into micropolar elasticity. Engineering Analysis With Boundary Elements, 2003, 27, 81-90.	3.7	16
106	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.	2.5	16
107	Modified meshless local Petrovâ€“Galerkin formulations for elastodynamics. International Journal for Numerical Methods in Engineering, 2012, 90, 1508-1828.	2.8	16
108	Local radial basis function collocation method for bending analyses of quasicrystal plates. Applied Mathematical Modelling, 2017, 50, 463-483.	4.3	16

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109	Analysis of a curved Timoshenko nano-beam with flexoelectricity. Acta Mechanica, 2021, 232, 1563-1581.	2.1	16
110	A cantilever beam analysis with flexomagnetic effect. Meccanica, 2021, 56, 2281-2292.	2.0	16
111	Analytical Studies on Mode III Fracture in Flexoelectric Solids. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	16
112	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
113	Local integral equation method for viscoelastic Reissnerâ€“Mindlin plates. Computational Mechanics, 2008, 41, 759-768.	3.9	15
114	Crack analyses in porous piezoelectric brittle materials by the SBFEM. Engineering Fracture Mechanics, 2016, 160, 78-94.	4.3	15
115	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
116	Non-singular boundary integral representation of potential field gradients. International Journal for Numerical Methods in Engineering, 1992, 33, 1181-1195.	2.8	14
117	Multiple reciprocity method for harmonic vibration of thin elastic plates. Applied Mathematical Modelling, 1993, 17, 468-476.	4.3	14
118	Global and local Trefftz boundary integral formulations for sound vibration. Advances in Engineering Software, 2002, 33, 469-476.	3.8	14
119	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
120	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.	2.5	14
121	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.	6.7	14
122	Nonâ€linear dynamic analyses by meshless local Petrovâ€“Galerkin formulations. International Journal for Numerical Methods in Engineering, 2010, 81, 1687-1699.	2.8	14
123	Computation of nearly singular integrals in 3D BEM. Engineering Analysis With Boundary Elements, 2014, 48, 32-42.	3.7	14
124	Micromechanics determination of effective properties of voided magnetoelectroelastic materials. Computational Materials Science, 2016, 116, 103-112.	3.1	14
125	Coupling effects in transient analysis of FGM plates bending in non-classical thermoelasticity. Composites Part B: Engineering, 2019, 165, 233-246.	12.0	14
126	A novel gradient theory for thermoelectric material structures. International Journal of Solids and Structures, 2020, 206, 292-303.	2.7	14

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127	FGM micro/nano-plates within modified couple stress elasticity. Composite Structures, 2020, 245, 112294.	5.9	14
128	Hybrid meshless/displacement discontinuity method for FGM Reissner's plate with cracks. Applied Mathematical Modelling, 2021, 90, 1226-1244.	4.3	14
129	Size effect in piezoelectric semiconductor nanostructures. Journal of Intelligent Material Systems and Structures, 2022, 33, 1351-1363.	2.6	14
130	Mindlin theory for the bending of porous plates. Acta Mechanica, 2015, 226, 1909-1928.	2.1	13
131	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	13
132	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
133	The MLPG for crack analyses in composites with flexoelectricity effects. Composite Structures, 2018, 204, 105-113.	5.9	13
134	Eigenvalue analysis of three-dimensional Helmholtz equation. Engineering Analysis With Boundary Elements, 1993, 11, 165-170.	3.7	12
135	Computation of thermoelastoplastic stresses in crack problems by the BEM. International Journal of Fracture, 1997, 83, 359-378.	2.2	12
136	Displacement discontinuity method for cracked orthotropic strip: Dynamic. Wave Motion, 2008, 45, 293-308.	2.1	12
137	Inverse heat conduction problems in three-dimensional anisotropic functionally graded solids. Journal of Engineering Mathematics, 2012, 75, 157-171.	1.2	12
138	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
139	Gradient elasticity theory enrichment of plate bending theories. Composite Structures, 2018, 202, 447-457.	5.9	12
140	Analysis of coupling effects in FGM piezoelectric plates by a meshless method. Composite Structures, 2020, 244, 112256.	5.9	12
141	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
142	Domain element local integral equation method for potential problems in anisotropic and functionally graded materials. Computational Mechanics, 2005, 37, 78-85.	3.9	11
143	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
144	Modelling of orthorhombic quasicrystal shallow shells. European Journal of Mechanics, A/Solids, 2015, 49, 518-530.	3.8	11

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145	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
146	Three-dimensional analysis for functionally graded piezoelectric semiconductors. Journal of Intelligent Material Systems and Structures, 2017, 28, 1391-1406.	2.6	11
147	Hybrid meshless displacement discontinuity method (MDDM) in fracture mechanics: Static and dynamic. European Journal of Mechanics, A/Solids, 2020, 83, 104023.	3.8	11
148	Fracture Mechanics Analysis of 2-D FGMs by a Meshless BEM. Key Engineering Materials, 2006, 324-325, 1165-1172.	0.2	10
149	Gradient piezoelectricity for cracks under an impact load. International Journal of Fracture, 2018, 210, 95-111.	2.2	10
150	Numerical study of size effects in micro/nano plates by moving finite elements. Composite Structures, 2019, 212, 291-303.	5.9	10
151	Crack analysis of nano-sized thermoelectric material structures. Engineering Fracture Mechanics, 2020, 234, 107078.	4.3	10
152	Regularized integral representation of thermoelastic stresses. Engineering Analysis With Boundary Elements, 1991, 8, 224-230.	3.7	9
153	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.	0.2	9
154	A new boundary integral equation formulation for plane orthotropic elastic media. Applied Mathematical Modelling, 2012, 36, 4862-4875.	4.3	9
155	On two accurate methods for computing 3D Greenx³s function and its first and second derivatives in piezoelectricity. Engineering Analysis With Boundary Elements, 2015, 61, 183-193.	3.7	9
156	Gradient theory for crack problems in quasicrystals. European Journal of Mechanics, A/Solids, 2019, 77, 103813.	3.8	9
157	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
158	Three-dimensional unsteady thermal stress analysis by triple-reciprocity boundary element method. Engineering Analysis With Boundary Elements, 2013, 37, 116-127.	3.7	8
159	Angular basis functions formulation for 2D potential flows with non-smooth boundaries. Engineering Analysis With Boundary Elements, 2015, 61, 1-15.	3.7	8
160	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.	2.3	8
161	Effective properties of coated fiber composites with piezoelectric and piezomagnetic phases. Journal of Intelligent Material Systems and Structures, 2017, 28, 97-107.	2.6	8
162	The Heat Conduction in Nanosized Structures. Physical Mesomechanics, 2021, 24, 611-617.	1.9	8

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163	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
164	A meshless method for axisymmetric problems in continuously nonhomogeneous saturated porous media. Computers and Geotechnics, 2014, 62, 100-109.	4.8	7
165	Elimination of the boundary layer effect in BEM computation of stresses. Communications in Applied Numerical Methods, 1991, 7, 539-550.	0.5	6
166	Plate bending problems using the nonsingular boundary element formulation and C1-continuous elements. Computers and Structures, 1995, 54, 679-688.	4.5	6
167	Nonsingular traction BIEs for crack problems in elastodynamics. Computational Mechanics, 2000, 25, 590-599.	3.9	6
168	A Trefftz function approximation in local boundary integral equations. Computational Mechanics, 2002, 28, 212-219.	3.9	6
169	Dynamic Crack Analysis in Functionally Graded Piezoelectric Solids by Meshless Local Petrov-Galerkin Method. Key Engineering Materials, 2007, 348-349, 149-152.	0.2	6
170	Inverse fracture problems in piezoelectric solids by local integral equation method. Engineering Analysis With Boundary Elements, 2009, 33, 1089-1099.	3.7	6
171	The localized method of approximated particular solutions for solving two-dimensional incompressible viscous flow field. Engineering Analysis With Boundary Elements, 2015, 57, 23-36.	3.7	6
172	Bending of a porous piezoelectric cylinder under a thermal load. Engineering Analysis With Boundary Elements, 2015, 51, 136-145.	3.7	6
173	Nonlocal and Gradient Theories of Piezoelectric Nanoplates. Procedia Engineering, 2017, 190, 178-185.	1.2	6
174	Multi-gradation coupling effects in FGM plates. Composite Structures, 2017, 171, 515-527.	5.9	6
175	Analysis of Elastic Media with Voids Using a Mixed-Collocation Finite-Element Method. Journal of Engineering Mechanics - ASCE, 2017, 143, .	3.1	6
176	Analysis of quantum-dot systems under thermal loads based on gradient elasticity. Smart Materials and Structures, 2018, 27, 095009.	3.4	6
177	On nonsingular boundary integral equations for crack problems. Mechanics Research Communications, 1990, 17, 281-291.	1.9	5
178	Boundary integral representation of stress intensity factors in thermoelasticity. Engineering Analysis With Boundary Elements, 1993, 12, 127-135.	3.7	5
179	Boundary element method for thermoelastoplastic problems. International Journal for Numerical Methods in Engineering, 1995, 38, 3635-3652.	2.8	5
180	Displacement gradients in BEM formulation for small strain plasticity. Engineering Analysis With Boundary Elements, 1999, 23, 471-477.	3.7	5

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181	A novel boundary element approach for solving the 2D elasticity problems. Applied Mathematics and Computation, 2014, 232, 568-580.	2.3	5
182	Meshless analysis of piezoelectric sensor embedded in composite floor panel. Journal of Intelligent Material Systems and Structures, 2015, 26, 2092-2107.	2.6	5
183	Elastodynamic Analysis of a Hollow Cylinder with Decagonal Quasicrystal Properties: Meshless Implementation of Local Integral Equations. Crystals, 2016, 6, 94.	2.3	5
184	Modeling elastic wave propagation in fluid-filled boreholes drilled in nonhomogeneous media: BEM-MLPG versus BEM-FEM coupling. Engineering Analysis With Boundary Elements, 2017, 81, 1-11.	3.7	5
185	Mixed FEM for quantum nanostructured solar cells. Composite Structures, 2019, 229, 111460.	5.9	5
186	Consistent 2D formulation of thermoelastic bending problems for FGM plates. Composite Structures, 2019, 212, 412-422.	5.9	5
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