

Jan Sladek

List of Publications by Year in descending order

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271
papers

5,359
citations

81134

38
h-index

134859

57
g-index

277
all docs

277
docs citations

277
times ranked

1750
citing authors

#	ARTICLE	IF	CITATIONS
1	Torsional vibration of a flexoelectric nanotube with micro-inertia effect. <i>Mechanics of Advanced Materials and Structures</i> , 2024, 31, 4019-4036.	2.5	5
2	Curvature-induced magnetization in a bilayer: Flexomagnetic effect enhancement in van der Waals antiferromagnets. <i>Physical Review B</i> , 2024, 109, .	3.3	1
3	Modeling mechanical waves propagation in flexoelectric solids. <i>Smart Materials and Structures</i> , 2024, 33, 035005.	3.4	1
4	Mixed FEM for flexoelectric effect analyses in a viscoelastic material. <i>International Journal of Solids and Structures</i> , 2022, 234-235, 111269.	2.7	5
5	Size effect in piezoelectric semiconductor nanostructures. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 1351-1363.	2.6	14
6	Analytical Studies on Mode III Fracture in Flexoelectric Solids. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2022, 89, .	2.2	16
7	Hybrid meshless/displacement discontinuity method for FGM Reissner's plate with cracks. <i>Applied Mathematical Modelling</i> , 2021, 90, 1226-1244.	4.3	14
8	The MLPG Method in Multiphysics and Scale Dependent Problems. <i>Mechanisms and Machine Science</i> , 2021, , 385-403.	0.0	0
9	Analysis of a curved Timoshenko nano-beam with flexoelectricity. <i>Acta Mechanica</i> , 2021, 232, 1563-1581.	2.1	16
10	Flexoelectric effect in dielectrics under a dynamic load. <i>Composite Structures</i> , 2021, 260, 113528.	5.9	20
11	Fracture analysis of functionally graded material by hybrid meshless displacement discontinuity method. <i>Engineering Fracture Mechanics</i> , 2021, 247, 107591.	4.3	20
12	A collocation mixed finite element method for the analysis of flexoelectric solids. <i>International Journal of Solids and Structures</i> , 2021, 217-218, 27-39.	2.7	38
13	A cantilever beam analysis with flexomagnetic effect. <i>Meccanica</i> , 2021, 56, 2281-2292.	2.0	16
14	BEM analysis for curved cracks. <i>Engineering Analysis With Boundary Elements</i> , 2021, 127, 91-101.	3.7	5
15	The Effect of Micro-Inertia and Flexoelectricity on Love Wave Propagation in Layered Piezoelectric Structures. <i>Nanomaterials</i> , 2021, 11, 2270.	4.2	19
16	Meshless analysis for cracked shallow shell. <i>Engineering Analysis With Boundary Elements</i> , 2021, 130, 145-160.	3.7	5
17	The Heat Conduction in Nanosized Structures. <i>Physical Mesomechanics</i> , 2021, 24, 611-617.	1.9	8
18	Geometrical Nonlinearity for a Timoshenko Beam with Flexoelectricity. <i>Nanomaterials</i> , 2021, 11, 3123.	4.2	5

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19	Crack analysis in magneto-electro-elastic solids by gradient theory. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 1354-1371.	2.5	5
20	A novel gradient theory for thermoelectric material structures. <i>International Journal of Solids and Structures</i> , 2020, 206, 292-303.	2.7	14
21	Gradient theory for crack analysis in thermoelectric materials. <i>AIP Conference Proceedings</i> , 2020, , .	0.2	0
22	Size-dependent direct and converse flexoelectricity around a micro-hole. <i>Acta Mechanica</i> , 2020, 231, 4851-4865.	2.1	17
23	Hybrid meshless displacement discontinuity method (MDDM) in fracture mechanics: Static and dynamic. <i>European Journal of Mechanics, A/Solids</i> , 2020, 83, 104023.	3.8	11
24	Crack analysis of nano-sized thermoelectric material structures. <i>Engineering Fracture Mechanics</i> , 2020, 234, 107078.	4.3	10
25	The Meshless Analysis of Scale-Dependent Problems for Coupled Fields. <i>Materials</i> , 2020, 13, 2527.	3.0	3
26	Nonlocal coupled photo-thermoelasticity analysis in a semiconducting micro/nano beam resonator subjected to plasma shock loading: A Green-Naghdi-based analytical solution. <i>Applied Mathematical Modelling</i> , 2020, 88, 631-651.	4.3	20
27	FGM micro/nano-plates within modified couple stress elasticity. <i>Composite Structures</i> , 2020, 245, 112294.	5.9	14
28	Path-independent J-integral for cracks in decagonal quasicrystals. <i>MATEC Web of Conferences</i> , 2020, 310, 00006.	0.2	2
29	Unified theory of beam bending within flexoelectricity with including piezoelectricity. <i>MATEC Web of Conferences</i> , 2020, 310, 00063.	0.2	0
30	Analysis of coupling effects in FGM piezoelectric plates by a meshless method. <i>Composite Structures</i> , 2020, 244, 112256.	5.9	12
31	Atomistic approach for the evaluation of direct flexoelectric coefficients in gradient theory. <i>Ferroelectrics</i> , 2020, 569, 182-195.	0.6	2
32	Gradient theory for crack problems in quasicrystals. <i>European Journal of Mechanics, A/Solids</i> , 2019, 77, 103813.	3.8	9
33	Crack analysis of solids with gradient thermo-piezoelectricity. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 103, 102267.	4.7	4
34	Mixed FEM for quantum nanostructured solar cells. <i>Composite Structures</i> , 2019, 229, 111460.	5.9	5
35	Consistent 2D formulation of thermoelastic bending problems for FGM plates. <i>Composite Structures</i> , 2019, 212, 412-422.	5.9	5
36	The MLPG for modeling of flexoelectricity. <i>AIP Conference Proceedings</i> , 2019, , .	0.2	0

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37	Perturbation finite element solution for chemo-elastic boundary value problems under chemical equilibrium. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 981-991.	3.5	3
38	Transient analysis of FGM plates bending under thermal loading: comparative study within classical and generalized thermoelasticity. <i>MATEC Web of Conferences</i> , 2019, 254, 06004.	0.2	1
39	Size Dependent Thermo-Piezoelectricity for In-Plane Cracks. <i>Key Engineering Materials</i> , 2019, 827, 147-152.	0.2	2
40	Numerical study of size effects in micro/nano plates by moving finite elements. <i>Composite Structures</i> , 2019, 212, 291-303.	5.9	10
41	Dynamic Wave Propagation in Fiber Reinforced Piezoelectric Composites with Cracks. <i>International Journal of Computational Methods</i> , 2019, 16, 1840021.	1.3	2
42	Coupling effects in transient analysis of FGM plates bending in non-classical thermoelasticity. <i>Composites Part B: Engineering</i> , 2019, 165, 233-246.	12.0	14
43	Anisotropic transient thermoelasticity analysis in a two-dimensional decagonal quasicrystal using meshless local Petrov-Galerkin (MLPG) method. <i>Applied Mathematical Modelling</i> , 2019, 66, 275-295.	4.3	19
44	MESH-FREE ANALYSIS OF PLATE BENDING PROBLEMS BY MOVING FINITE ELEMENT APPROXIMATION. <i>WIT Transactions on Engineering Sciences</i> , 2019, , .	0.0	5
45	Vibration of thin elastic FGM plates with multi-gradation effects. <i>Vibroengineering PROCEDIA</i> , 2019, 23, 24-29.	0.4	0
46	NUMERICAL STUDIES BASED ON THE HIGHER ORDER HEAT CONDUCTION THEORY. , 2019, , .		0
47	Gradient elasticity theory enrichment of plate bending theories. <i>Composite Structures</i> , 2018, 202, 447-457.	5.9	12
48	Applying the Method of Characteristics and the Meshless Localized Radial Basis Function Collocation Method to Solve Shallow Water Equations. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, .	3.1	4
49	Bending of FGM plates under thermal load: Classical thermoelasticity analysis by a meshless method. <i>Composites Part B: Engineering</i> , 2018, 146, 176-188.	12.0	25
50	Gradient piezoelectricity for cracks under an impact load. <i>International Journal of Fracture</i> , 2018, 210, 95-111.	2.2	10
51	Effect of Lattice Mismatch Strain Grading on the Electromechanical Behavior of Functionally Graded Quantum Dots. <i>Key Engineering Materials</i> , 2018, 759, 71-75.	0.2	2
52	Effects of electric field and strain gradients on cracks in piezoelectric solids. <i>European Journal of Mechanics, A/Solids</i> , 2018, 71, 187-198.	3.8	38
53	Micromechanics determination of effective material coefficients of cement-based piezoelectric ceramic composites. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 845-862.	2.6	31
54	Analysis of Functionally Graded Quantum-Dot Systems with Graded Lattice Mismatch Strain. <i>Journal of Computational and Theoretical Nanoscience</i> , 2018, 15, 542-550.	0.5	4

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55	Effective properties of cement-based porous piezoelectric ceramic composites. <i>Construction and Building Materials</i> , 2018, 190, 1208-1214.	7.2	24
56	Bending of elastic plates with micro-voids. <i>Composite Structures</i> , 2018, 202, 1155-1163.	5.9	2
57	The MLPG for crack analyses in composites with flexoelectricity effects. <i>Composite Structures</i> , 2018, 204, 105-113.	5.9	13
58	Analysis of quantum-dot systems under thermal loads based on gradient elasticity. <i>Smart Materials and Structures</i> , 2018, 27, 095009.	3.4	6
59	MOVING FINITE ELEMENT METHOD. <i>WIT Transactions on Engineering Sciences</i> , 2018, , .	0.0	4
60	The mixed FEM for analysis of quantum-dot systems based on gradient theory. <i>Computer Methods in Materials Science</i> , 2018, 18, 81-89.	0.2	0
61	Effective properties of coated fiber composites with piezoelectric and piezomagnetic phases. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 97-107.	2.6	8
62	On the characterization of porosity-related parameters in micro-dilatation theory. <i>Acta Mechanica</i> , 2017, 228, 1631-1644.	2.1	3
63	Three-dimensional analysis for functionally graded piezoelectric semiconductors. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 1391-1406.	2.6	11
64	Evaluation of effective material properties in magneto-electro-elastic composite materials. <i>Composite Structures</i> , 2017, 174, 176-186.	5.9	24
65	Nonlocal and Gradient Theories of Piezoelectric Nanoplates. <i>Procedia Engineering</i> , 2017, 190, 178-185.	1.2	6
66	Microstructural Evaluation of Effective Elasticity Coefficients in Materials with Micro-voids. <i>Procedia Engineering</i> , 2017, 190, 170-177.	1.2	4
67	Modeling elastic wave propagation in fluid-filled boreholes drilled in nonhomogeneous media: BEM-MLPG versus BEM-FEM coupling. <i>Engineering Analysis With Boundary Elements</i> , 2017, 81, 1-11.	3.7	5
68	Local radial basis function collocation method for bending analyses of quasicrystal plates. <i>Applied Mathematical Modelling</i> , 2017, 50, 463-483.	4.3	16
69	Multi-gradation coupling effects in FGM plates. <i>Composite Structures</i> , 2017, 171, 515-527.	5.9	6
70	The nonlocal and gradient theories for a large deformation of piezoelectric nanoplates. <i>Composite Structures</i> , 2017, 172, 119-129.	5.9	27
71	The FEM analysis of FGM piezoelectric semiconductor problems. <i>Composite Structures</i> , 2017, 163, 13-20.	5.9	25
72	Dynamic crack analysis in piezoelectric solids under time-harmonic loadings with a symmetric Galerkin boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2017, 84, 141-153.	3.7	15

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73	Crack analysis of size-dependent piezoelectric solids under a thermal load. <i>Engineering Fracture Mechanics</i> , 2017, 182, 187-201.	4.3	19
74	Effective Material Properties in Multiferroic Composite Materials by a Galerkin BEM. <i>Procedia Engineering</i> , 2017, 190, 452-458.	1.2	0
75	Analysis of Elastic Media with Voids Using a Mixed-Collocation Finite-Element Method. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	3.1	6
76	Fracture mechanics analysis of size-dependent piezoelectric solids. <i>International Journal of Solids and Structures</i> , 2017, 113-114, 1-9.	2.7	45
77	A local RBF collocation method for band structure computations of 2D solid/fluid and fluid/solid phononic crystals. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 110, 467-500.	2.8	43
78	FEM formulation for size-dependent theory with application to micro coated piezoelectric and piezomagnetic fiber-composites. <i>Computational Mechanics</i> , 2017, 59, 93-105.	3.9	4
79	Time-harmonic analysis of cracks in functionally graded piezoelectric materials. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2017, 17, 283-284.	0.2	1
80	Bending Analysis of FGM Plates Under Thermal Load. <i>Procedia Engineering</i> , 2017, 190, 54-61.	1.2	4
81	The MLPG in gradient theory for size-dependent magneto-electroelasticity. <i>Computer Methods in Materials Science</i> , 2017, 17, 76-82.	0.2	0
82	Elastodynamic Analysis of a Hollow Cylinder with Decagonal Quasicrystal Properties: Meshless Implementation of Local Integral Equations. <i>Crystals</i> , 2016, 6, 94.	2.3	5
83	Dynamic Crack Analysis in Functionally Graded Piezoelectric Materials by a Time-Domain BEM. <i>Key Engineering Materials</i> , 2016, 713, 342-345.	0.2	0
84	A comparison of three evaluation methods for Green's function and its derivatives for 3D generally anisotropic solids. <i>European Journal of Computational Mechanics</i> , 2016, 25, 109-128.	0.9	4
85	Band structure computation of in-plane elastic waves in 2D phononic crystals by a meshfree local RBF collocation method. <i>Engineering Analysis With Boundary Elements</i> , 2016, 66, 77-90.	3.7	38
86	Crack analyses in porous piezoelectric brittle materials by the SBFEM. <i>Engineering Fracture Mechanics</i> , 2016, 160, 78-94.	4.3	15
87	Evaluation of the T-stress for cracks in functionally graded materials by the FEM. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 86, 332-341.	4.7	12
88	Static and dynamic behavior of porous elastic materials based on micro-dilatation theory: A numerical study using the MLPG method. <i>International Journal of Solids and Structures</i> , 2016, 96, 126-135.	2.7	13
89	Elastodynamics of FGM plates by mesh-free method. <i>Composite Structures</i> , 2016, 140, 309-322.	5.9	17
90	Unified analytical expressions of the three-dimensional fundamental solutions and their derivatives for linear elastic anisotropic materials. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20150272.	2.1	13

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91	Meshless analyses for time-fractional heat diffusion in functionally graded materials. <i>Engineering Analysis With Boundary Elements</i> , 2016, 62, 57-64.	3.7	17
92	A meshfree local RBF collocation method for anti-plane transverse elastic wave propagation analysis in 2D phononic crystals. <i>Journal of Computational Physics</i> , 2016, 305, 997-1014.	3.9	89
93	Micromechanics determination of effective properties of voided magnetoelastoelectric materials. <i>Computational Materials Science</i> , 2016, 116, 103-112.	3.1	14
94	Modeling of porous piezoelectric structures by the meshless local Petrov-Galerkin method. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 233-247.	2.5	3
95	EFFECTIVE ELASTICITY COEFFICIENTS IN DRY POROUS MATERIALS. NUMERICAL AND SEMI-ANALYTICAL APPROACHES. , 2016, , .		2
96	Numerical Analysis of Interface Cracks in Layered Piezoelectric Solids. , 2016, , 283-299.		0
97	INFLUENCE OF MICRO CRACKS ON EFFECTIVE MATERIAL PROPERTIES IN FIBER REINFORCED SMART COMPOSITE MATERIALS. , 2016, , .		0
98	Analyses of Circular Magnetoelastoelectric Plates with Functionally Graded Material Properties. <i>Mechanics of Advanced Materials and Structures</i> , 2015, 22, 479-489.	2.5	58
99	Path-independent integral in fracture mechanics of quasicrystals. <i>Engineering Fracture Mechanics</i> , 2015, 140, 61-71.	4.3	30
100	Mindlin theory for the bending of porous plates. <i>Acta Mechanica</i> , 2015, 226, 1909-1928.	2.1	13
101	2.5D elastic wave propagation in non-homogeneous media coupling the BEM and MLPG methods. <i>Engineering Analysis With Boundary Elements</i> , 2015, 53, 86-99.	3.7	4
102	Influence of electric conductivity on intensity factors for cracks in functionally graded piezoelectric semiconductors. <i>International Journal of Solids and Structures</i> , 2015, 59, 79-89.	2.7	38
103	Meshless analysis of piezoelectric sensor embedded in composite floor panel. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 2092-2107.	2.6	5
104	The localized method of approximated particular solutions for solving two-dimensional incompressible viscous flow field. <i>Engineering Analysis With Boundary Elements</i> , 2015, 57, 23-36.	3.7	6
105	Angular basis functions formulation for 2D potential flows with non-smooth boundaries. <i>Engineering Analysis With Boundary Elements</i> , 2015, 61, 1-15.	3.7	8
106	Two dimensional analysis of coupled non-Fick diffusion-elastodynamics problems in functionally graded materials using meshless local Petrov-Galerkin (MLPG) method. <i>Applied Mathematics and Computation</i> , 2015, 268, 937-946.	2.3	8
107	On two accurate methods for computing 3D Green's function and its first and second derivatives in piezoelectricity. <i>Engineering Analysis With Boundary Elements</i> , 2015, 61, 183-193.	3.7	9
108	Bending of a porous piezoelectric cylinder under a thermal load. <i>Engineering Analysis With Boundary Elements</i> , 2015, 51, 136-145.	3.7	6

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109	Modelling of orthorhombic quasicrystal shallow shells. <i>European Journal of Mechanics, A/Solids</i> , 2015, 49, 518-530.	3.8	11
110	Extrapolated local radial basis function collocation method for shallow water problems. <i>Engineering Analysis With Boundary Elements</i> , 2015, 50, 275-290.	3.7	17
111	The local integral equation method for pattern formation simulations in reaction-diffusion systems. <i>Engineering Analysis With Boundary Elements</i> , 2015, 50, 329-340.	3.7	11
112	A new method for numerical evaluation of nearly singular integrals over high-order geometry elements in 3D BEM. <i>Journal of Computational and Applied Mathematics</i> , 2015, 277, 57-72.	2.0	18
113	Three-Dimensional Meshless Modelling of Functionally Graded Piezoelectric Sensor. , 2014, , 425-432.		4
114	Coupling effects in elastic analysis of FGM composite plates by mesh-free methods. <i>Composite Structures</i> , 2014, 115, 100-110.	5.9	39
115	Coupled BEM-MLPG acoustic analysis for non-homogeneous media. <i>Engineering Analysis With Boundary Elements</i> , 2014, 44, 161-169.	3.7	18
116	A novel boundary element approach for solving the 2D elasticity problems. <i>Applied Mathematics and Computation</i> , 2014, 232, 568-580.	2.3	5
117	Two dimensional transient analysis of coupled non-Fick diffusion-thermoelasticity based on Green-Naghdi theory using the meshless local Petrov-Galerkin (MLPG) method. <i>International Journal of Mechanical Sciences</i> , 2014, 82, 74-80.	6.8	27
118	A meshless method for axisymmetric problems in continuously nonhomogeneous saturated porous media. <i>Computers and Geotechnics</i> , 2014, 62, 100-109.	4.8	7
119	Computation of nearly singular integrals in 3D BEM. <i>Engineering Analysis With Boundary Elements</i> , 2014, 48, 32-42.	3.7	14
120	The MLPG applied to porous materials with variable stiffness and permeability. <i>Meccanica</i> , 2014, 49, 2359-2373.	2.0	4
121	Fracture analysis in piezoelectric semiconductors under a thermal load. <i>Engineering Fracture Mechanics</i> , 2014, 126, 27-39.	4.3	91
122	Physical decomposition of thin plate bending problems and their solution by mesh-free methods. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 348-365.	3.7	29
123	The influences of non-linear electrical, magnetic and mechanical boundary conditions on the dynamic intensity factors of magneto-electroelastic solids. <i>Engineering Fracture Mechanics</i> , 2013, 97, 297-313.	4.3	11
124	Bending analyses of 1D orthorhombic quasicrystal plates. <i>International Journal of Solids and Structures</i> , 2013, 50, 3975-3983.	2.7	47
125	Axial symmetric stationary heat conduction analysis of non-homogeneous materials by triple-reciprocity boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 336-347.	3.7	4
126	Analyses of functionally graded plates with a magneto-electroelastic layer. <i>Smart Materials and Structures</i> , 2013, 22, 035003.	3.4	32

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127	The MLPG analyses of large deflections of magnetoelastoelectric plates. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 673-682.	3.7	89
128	Crack analysis in decagonal quasicrystals by the MLPG. <i>International Journal of Fracture</i> , 2013, 181, 115-126.	2.2	25
129	Analysis of the bending of circular piezoelectric plates with functionally graded material properties by a MLPG method. <i>Engineering Structures</i> , 2013, 47, 81-89.	5.3	30
130	Application of meshless local integral equations to two dimensional analysis of coupled non-Fick diffusion-elasticity. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 603-615.	3.7	31
131	A local integral equation formulation to solve coupled nonlinear reaction-diffusion equations by using moving least square approximation. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 8-14.	3.7	54
132	Three-dimensional unsteady thermal stress analysis by triple-reciprocity boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 116-127.	3.7	8
133	Semi-permeable crack analysis in magnetoelastoelectric solids. <i>Smart Materials and Structures</i> , 2012, 21, 025003.	3.4	20
134	Enhancement of the magnetoelectric coefficient in functionally graded multiferroic composites. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 1649-1658.	2.6	18
135	A new boundary integral equation formulation for plane orthotropic elastic media. <i>Applied Mathematical Modelling</i> , 2012, 36, 4862-4875.	4.3	9
136	A BDEM for transient thermoelastic crack problems in functionally graded materials under thermal shock. <i>Computational Materials Science</i> , 2012, 57, 30-37.	3.1	25
137	Analysis of an interface crack between two dissimilar piezoelectric solids. <i>Engineering Fracture Mechanics</i> , 2012, 89, 114-127.	4.3	38
138	Modified meshless local Petrov-Galerkin formulations for elastodynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 90, 1508-1828.	2.8	16
139	Inverse heat conduction problems in three-dimensional anisotropic functionally graded solids. <i>Journal of Engineering Mathematics</i> , 2012, 75, 157-171.	1.2	12
140	Thermoelastic crack analysis in functionally graded materials and structures by a BEM. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2012, 35, 742-766.	3.3	26
141	Meshless implementations of Local Integral Equations for bending of thin plates. <i>WIT Transactions on Engineering Sciences</i> , 2012, , .	0.0	2
142	Coupled Numerical Methods in Engineering Analysis. <i>Mathematical Problems in Engineering</i> , 2011, 2011, .	1.2	2
143	Dynamic crack analysis in piezoelectric solids with non-linear electrical and mechanical boundary conditions by a time-domain BEM. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011, 200, 2848-2858.	6.7	32
144	Analysis of interface cracks in layered piezoelectric composites by a SGBEM. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2011, 11, 185-186.	0.2	0

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145	Three-dimensional analysis of functionally graded plates. <i>International Journal for Numerical Methods in Engineering</i> , 2011, 87, 923-942.	2.8	38
146	Meshless local Petrov-Galerkin method for coupled thermoelasticity analysis of a functionally graded thick hollow cylinder. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 827-835.	3.7	59
147	3D crack analysis in functionally graded materials. <i>Engineering Fracture Mechanics</i> , 2011, 78, 585-604.	4.3	71
148	Thermomechanical Analysis of Functionally Graded Materials. <i>AIP Conference Proceedings</i> , 2010, , .	0.2	0
149	Local integral equations implemented by MLS-approximation and analytical integrations. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 904-913.	3.7	28
150	Non-linear dynamic analyses by meshless local Petrov-Galerkin formulations. <i>International Journal for Numerical Methods in Engineering</i> , 2010, 81, 1687-1699.	2.8	14
151	Fracture analysis in continuously nonhomogeneous magneto-electro-elastic solids under a thermal load by the MLPG. <i>International Journal of Solids and Structures</i> , 2010, 47, 1381-1391.	2.7	69
152	Fracture Analysis of Functionally Graded Materials. <i>AIP Conference Proceedings</i> , 2010, , .	0.2	0
153	Inverse Crack Problems in Piezoelectric Solids. <i>AIP Conference Proceedings</i> , 2010, , .	0.2	0
154	From the BEM to mesh-free implementations of integral equations. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2010, , 227-241.	0.0	0
155	Dynamic crack analysis in piezoelectric solids with non-linear crack-face boundary conditions by a time-domain BEM. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2010, , 335-348.	0.0	0
156	A hypersingular time-domain BEM for 2D dynamic crack analysis in anisotropic solids. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 78, 127-150.	2.8	19
157	Axial symmetric elasticity analysis in nonhomogeneous bodies under gravitational load by triple-reciprocity boundary element method. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 78, 779-799.	2.8	2
158	On two hypersingular time-domain BEM for dynamic crack analysis in 2D anisotropic elastic solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 2812-2824.	6.7	14
159	Transient dynamic analysis of interface cracks in layered anisotropic solids under impact loading. <i>International Journal of Fracture</i> , 2009, 157, 131-147.	2.2	31
160	Inverse fracture problems in piezoelectric solids by local integral equation method. <i>Engineering Analysis With Boundary Elements</i> , 2009, 33, 1089-1099.	3.7	6
161	Modeling of Smart Structures by Meshless Local Integral Equation Method. , 2009, , 263-275.		0
162	Meshless implementations of local integral equations. <i>WIT Transactions on Modelling and Simulation</i> , 2009, , .	0.0	2

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163	Micromechanical Dynamic Influence of Rigid Disk-Shaped Inclusion on Neighboring Crack in 3D Elastic Matrix. <i>Materials Science Forum</i> , 2008, 567-568, 133-136.	0.2	2
164	Computation of stresses in non-homogeneous elastic solids by local integral equation method: a comparative study. <i>Computational Mechanics</i> , 2008, 41, 827-845.	3.9	44
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