

Jan Sladek

List of Publications by Year in descending order

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306
papers

5,986
citations

81434

41
h-index

150775

59
g-index

310
all docs

310
docs citations

310
times ranked

2075
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed FEM for flexoelectric effect analyses in a viscoelastic material. International Journal of Solids and Structures, 2022, 234-235, 111269.	1.3	4
2	Size effect in piezoelectric semiconductor nanostructures. Journal of Intelligent Material Systems and Structures, 2022, 33, 1351-1363.	1.4	14
3	Analytical Studies on Mode III Fracture in Flexoelectric Solids. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	1.1	16
4	Asymptotic solution for interface crack between two materials governed by dipolar gradient elasticity: Amplitude factor evaluation. Theoretical and Applied Fracture Mechanics, 2022, 120, 103378.	2.1	6
5	Hybrid meshless/displacement discontinuity method for FGM Reissner's plate with cracks. Applied Mathematical Modelling, 2021, 90, 1226-1244.	2.2	12
6	The MLPG Method in Multiphysics and Scale Dependent Problems. Mechanisms and Machine Science, 2021, , 385-403.	0.3	0
7	Analysis of a curved Timoshenko nano-beam with flexoelectricity. Acta Mechanica, 2021, 232, 1563-1581.	1.1	14
8	Flexoelectric effect in dielectrics under a dynamic load. Composite Structures, 2021, 260, 113528.	3.1	16
9	Fracture analysis of functionally graded material by hybrid meshless displacement discontinuity method. Engineering Fracture Mechanics, 2021, 247, 107591.	2.0	17
10	A collocation mixed finite element method for the analysis of flexoelectric solids. International Journal of Solids and Structures, 2021, 217-218, 27-39.	1.3	32
11	A cantilever beam analysis with flexomagnetic effect. Meccanica, 2021, 56, 2281-2292.	1.2	15
12	BEM analysis for curved cracks. Engineering Analysis With Boundary Elements, 2021, 127, 91-101.	2.0	5
13	The Effect of Micro-Inertia and Flexoelectricity on Love Wave Propagation in Layered Piezoelectric Structures. Nanomaterials, 2021, 11, 2270.	1.9	17
14	Meshless analysis for cracked shallow shell. Engineering Analysis With Boundary Elements, 2021, 130, 145-160.	2.0	5
15	The Heat Conduction in Nanosized Structures. Physical Mesomechanics, 2021, 24, 611-617.	1.0	6
16	Geometrical Nonlinearity for a Timoshenko Beam with Flexoelectricity. Nanomaterials, 2021, 11, 3123.	1.9	5
17	Crack analysis in magneto-electro-elastic solids by gradient theory. Mechanics of Advanced Materials and Structures, 2020, 27, 1354-1371.	1.5	5
18	A novel gradient theory for thermoelectric material structures. International Journal of Solids and Structures, 2020, 206, 292-303.	1.3	12

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19	Gradient theory for crack analysis in thermoelectric materials. AIP Conference Proceedings, 2020, , .	0.3	0
20	Size-dependent direct and converse flexoelectricity around a micro-hole. Acta Mechanica, 2020, 231, 4851-4865.	1.1	17
21	Hybrid meshless displacement discontinuity method (MDDM) in fracture mechanics: Static and dynamic. European Journal of Mechanics, A/Solids, 2020, 83, 104023.	2.1	11
22	Crack analysis of nano-sized thermoelectric material structures. Engineering Fracture Mechanics, 2020, 234, 107078.	2.0	10
23	The Meshless Analysis of Scale-Dependent Problems for Coupled Fields. Materials, 2020, 13, 2527.	1.3	3
24	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.	2.2	19
25	FGM micro/nano-plates within modified couple stress elasticity. Composite Structures, 2020, 245, 112294.	3.1	13
26	Path-independent J-integral for cracks in decagonal quasicrystals. MATEC Web of Conferences, 2020, 310, 00006.	0.1	2
27	Bending response of FGPM plates under voltage load. MATEC Web of Conferences, 2020, 310, 00058.	0.1	0
28	Unified theory of beam bending within flexoelectricity with including piezoelectricity. MATEC Web of Conferences, 2020, 310, 00063.	0.1	0
29	Analysis of coupling effects in FGM piezoelectric plates by a meshless method. Composite Structures, 2020, 244, 112256.	3.1	11
30	Atomistic approach for the evaluation of direct flexoelectric coefficients in gradient theory. Ferroelectrics, 2020, 569, 182-195.	0.3	2
31	Analysis of Cracks in Piezoelectric Solids with Consideration of Electric Field and Strain Gradients. , 2020, , 39-50.		1
32	Gradient theory for crack problems in quasicrystals. European Journal of Mechanics, A/Solids, 2019, 77, 103813.	2.1	9
33	Crack analysis of solids with gradient thermo-piezoelectricity. Theoretical and Applied Fracture Mechanics, 2019, 103, 102267.	2.1	4
34	Mixed FEM for quantum nanostructured solar cells. Composite Structures, 2019, 229, 111460.	3.1	5
35	Consistent 2D formulation of thermoelastic bending problems for FGM plates. Composite Structures, 2019, 212, 412-422.	3.1	5
36	The MLPG for modeling of flexoelectricity. AIP Conference Proceedings, 2019, , .	0.3	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.	1.5	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.	0.1	1
39	Size Dependent Thermo-Piezoelectricity for In-Plane Cracks. <i>Key Engineering Materials</i> , 2019, 827, 147-152.	0.4	2
40	Numerical study of size effects in micro/nano plates by moving finite elements. <i>Composite Structures</i> , 2019, 212, 291-303.	3.1	9
41	Dynamic Wave Propagation in Fiber Reinforced Piezoelectric Composites with Cracks. <i>International Journal of Computational Methods</i> , 2019, 16, 1840021.	0.8	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.	5.9	12
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.	2.2	17
44	MESH-FREE ANALYSIS OF PLATE BENDING PROBLEMS BY MOVING FINITE ELEMENT APPROXIMATION. <i>WIT Transactions on Engineering Sciences</i> , 2019, , .	0.0	4
45	Vibration of thin elastic FGM plates with multi-gradation effects. <i>Vibroengineering PROCEDIA</i> , 2019, 23, 24-29.	0.3	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.	3.1	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, 04018047.	1.6	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.	5.9	24
50	Gradient piezoelectricity for cracks under an impact load. <i>International Journal of Fracture</i> , 2018, 210, 95-111.	1.1	9
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.	0.4	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.	2.1	34
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.	1.4	28
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.	0.4	4

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55	Analysis of Cracks in Piezoelectric Solids with Consideration of Electric Field and Strain Gradients. , 2018, , 1-13.		0
56	Effective properties of cement-based porous piezoelectric ceramic composites. Construction and Building Materials, 2018, 190, 1208-1214.	3.2	21
57	Bending of elastic plates with micro-voids. Composite Structures, 2018, 202, 1155-1163.	3.1	2
58	The MLPG for crack analyses in composites with flexoelectricity effects. Composite Structures, 2018, 204, 105-113.	3.1	11
59	Analysis of quantum-dot systems under thermal loads based on gradient elasticity. Smart Materials and Structures, 2018, 27, 095009.	1.8	6
60	MOVING FINITE ELEMENT METHOD. WIT Transactions on Engineering Sciences, 2018, , .	0.0	3
61	Effective properties of coated fiber composites with piezoelectric and piezomagnetic phases. Journal of Intelligent Material Systems and Structures, 2017, 28, 97-107.	1.4	8
62	On the characterization of porosity-related parameters in micro-dilatation theory. Acta Mechanica, 2017, 228, 1631-1644.	1.1	3
63	Three-dimensional analysis for functionally graded piezoelectric semiconductors. Journal of Intelligent Material Systems and Structures, 2017, 28, 1391-1406.	1.4	10
64	Evaluation of effective material properties in magneto-electro-elastic composite materials. Composite Structures, 2017, 174, 176-186.	3.1	24
65	Nonlocal and Gradient Theories of Piezoelectric Nanoplates. Procedia Engineering, 2017, 190, 178-185.	1.2	5
66	Microstructural Evaluation of Effective Elasticity Coefficients in Materials with Micro-voids. Procedia Engineering, 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. Engineering Analysis With Boundary Elements, 2017, 81, 1-11.	2.0	5
68	Local radial basis function collocation method for bending analyses of quasicrystal plates. Applied Mathematical Modelling, 2017, 50, 463-483.	2.2	14
69	Multi-gradation coupling effects in FGM plates. Composite Structures, 2017, 171, 515-527.	3.1	6
70	The nonlocal and gradient theories for a large deformation of piezoelectric nanoplates. Composite Structures, 2017, 172, 119-129.	3.1	27
71	The FEM analysis of FGM piezoelectric semiconductor problems. Composite Structures, 2017, 163, 13-20.	3.1	22
72	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.	2.0	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.	2.0	17
74	Numerical Analysis of Poro-elastic Materials Described by the Micro-dilatation Theory. <i>Procedia Engineering</i> , 2017, 190, 248-254.	1.2	1
75	Effective Material Properties in Multiferroic Composite Materials by a Galerkin BEM. <i>Procedia Engineering</i> , 2017, 190, 452-458.	1.2	0
76	Analysis of Elastic Media with Voids Using a Mixed-Collocation Finite-Element Method. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	1.6	6
77	Fracture mechanics analysis of size-dependent piezoelectric solids. <i>International Journal of Solids and Structures</i> , 2017, 113-114, 1-9.	1.3	40
78	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.	1.5	43
79	FEM formulation for size-dependent theory with application to micro coated piezoelectric and piezomagnetic fiber-composites. <i>Computational Mechanics</i> , 2017, 59, 93-105.	2.2	4
80	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
81	Bending Analysis of FGM Plates Under Thermal Load. <i>Procedia Engineering</i> , 2017, 190, 54-61.	1.2	4
82	Elastodynamic Analysis of a Hollow Cylinder with Decagonal Quasicrystal Properties: Meshless Implementation of Local Integral Equations. <i>Crystals</i> , 2016, 6, 94.	1.0	5
83	Dynamic Crack Analysis in Functionally Graded Piezoelectric Materials by a Time-Domain BEM. <i>Key Engineering Materials</i> , 2016, 713, 342-345.	0.4	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.	0.6	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.	2.0	37
86	Crack analyses in porous piezoelectric brittle materials by the SBFEM. <i>Engineering Fracture Mechanics</i> , 2016, 160, 78-94.	2.0	14
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.	2.1	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.	1.3	12
89	Elastodynamics of FGM plates by mesh-free method. <i>Composite Structures</i> , 2016, 140, 309-322.	3.1	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.	1.0	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.	2.0	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.	1.9	88
93	Micromechanics determination of effective properties of voided magnetoelastoelectric materials. <i>Computational Materials Science</i> , 2016, 116, 103-112.	1.4	13
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.	1.5	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.	1.5	55
99	Path-independent integral in fracture mechanics of quasicrystals. <i>Engineering Fracture Mechanics</i> , 2015, 140, 61-71.	2.0	30
100	Mindlin theory for the bending of porous plates. <i>Acta Mechanica</i> , 2015, 226, 1909-1928.	1.1	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.	2.0	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.	1.3	34
103	Meshless analysis of piezoelectric sensor embedded in composite floor panel. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 2092-2107.	1.4	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.	2.0	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.	2.0	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.	1.4	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.	2.0	9
108	Bending of a porous piezoelectric cylinder under a thermal load. <i>Engineering Analysis With Boundary Elements</i> , 2015, 51, 136-145.	2.0	6

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109	Modelling of orthorhombic quasicrystal shallow shells. <i>European Journal of Mechanics, A/Solids</i> , 2015, 49, 518-530.	2.1	8
110	Extrapolated local radial basis function collocation method for shallow water problems. <i>Engineering Analysis With Boundary Elements</i> , 2015, 50, 275-290.	2.0	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.	2.0	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.	1.1	17
113	Three-Dimensional Meshless Modelling of Functionally Graded Piezoelectric Sensor. , 2014, , 425-432.		3
114	Analysis of Beams with Transversal Gradations of the Young's Modulus and Variable Depths by the Meshless Method. <i>Slovak Journal of Civil Engineering</i> , 2014, 22, 23-36.	0.2	4
115	Numerical MLPG Analysis of Piezoelectric Sensor in Structures. <i>Slovak Journal of Civil Engineering</i> , 2014, 22, 15-20.	0.2	1
116	Coupling effects in elastic analysis of FGM composite plates by mesh-free methods. <i>Composite Structures</i> , 2014, 115, 100-110.	3.1	38
117	Coupled BEM-MLPG acoustic analysis for non-homogeneous media. <i>Engineering Analysis With Boundary Elements</i> , 2014, 44, 161-169.	2.0	17
118	A novel boundary element approach for solving the 2D elasticity problems. <i>Applied Mathematics and Computation</i> , 2014, 232, 568-580.	1.4	5
119	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.	3.6	27
120	A meshless method for axisymmetric problems in continuously nonhomogeneous saturated porous media. <i>Computers and Geotechnics</i> , 2014, 62, 100-109.	2.3	7
121	Computation of nearly singular integrals in 3D BEM. <i>Engineering Analysis With Boundary Elements</i> , 2014, 48, 32-42.	2.0	14
122	The MLPG applied to porous materials with variable stiffness and permeability. <i>Meccanica</i> , 2014, 49, 2359-2373.	1.2	3
123	Fracture analysis in piezoelectric semiconductors under a thermal load. <i>Engineering Fracture Mechanics</i> , 2014, 126, 27-39.	2.0	88
124	Deflection analysis of thin elastic FGM composite plates by meshless methods. , 2014, , 257-267.		0
125	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.	2.0	29
126	The influences of non-linear electrical, magnetic and mechanical boundary conditions on the dynamic intensity factors of magnetoelastic solids. <i>Engineering Fracture Mechanics</i> , 2013, 97, 297-313.	2.0	11

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127	Bending analyses of 1D orthorhombic quasicrystal plates. <i>International Journal of Solids and Structures</i> , 2013, 50, 3975-3983.	1.3	44
128	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.	2.0	4
129	Analyses of functionally graded plates with a magneto-electroelastic layer. <i>Smart Materials and Structures</i> , 2013, 22, 035003.	1.8	29
130	The MLPG analyses of large deflections of magneto-electroelastic plates. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 673-682.	2.0	87
131	Crack analysis in decagonal quasicrystals by the MLPG. <i>International Journal of Fracture</i> , 2013, 181, 115-126.	1.1	25
132	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.	2.6	29
133	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.	2.0	29
134	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.	2.0	53
135	Three-dimensional unsteady thermal stress analysis by triple-reciprocity boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 116-127.	2.0	8
136	Semi-permeable crack analysis in magneto-electroelastic solids. <i>Smart Materials and Structures</i> , 2012, 21, 025003.	1.8	20
137	Enhancement of the magnetoelectric coefficient in functionally graded multiferroic composites. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 1649-1658.	1.4	17
138	A new boundary integral equation formulation for plane orthotropic elastic media. <i>Applied Mathematical Modelling</i> , 2012, 36, 4862-4875.	2.2	9
139	A BDEM for transient thermoelastic crack problems in functionally graded materials under thermal shock. <i>Computational Materials Science</i> , 2012, 57, 30-37.	1.4	24
140	Analysis of an interface crack between two dissimilar piezoelectric solids. <i>Engineering Fracture Mechanics</i> , 2012, 89, 114-127.	2.0	34
141	Modified meshless local Petrov-Galerkin formulations for elastodynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 90, 1508-1828.	1.5	16
142	Inverse heat conduction problems in three-dimensional anisotropic functionally graded solids. <i>Journal of Engineering Mathematics</i> , 2012, 75, 157-171.	0.6	10
143	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.	1.7	23
144	Meshless implementations of Local Integral Equations for bending of thin plates. , 2012, , .		2

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145	Coupled Numerical Methods in Engineering Analysis. Mathematical Problems in Engineering, 2011, 2011, 1-4.	0.6	2
146	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.	3.4	32
147	Analysis of interface cracks in layered piezoelectric composites by a SGBEM. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 185-186.	0.2	0
148	Three-dimensional analysis of functionally graded plates. International Journal for Numerical Methods in Engineering, 2011, 87, 923-942.	1.5	38
149	Meshless local Petrov-Galerkin method for coupled thermoelasticity analysis of a functionally graded thick hollow cylinder. Engineering Analysis With Boundary Elements, 2011, 35, 827-835.	2.0	58
150	3D crack analysis in functionally graded materials. Engineering Fracture Mechanics, 2011, 78, 585-604.	2.0	69
151	Thermomechanical Analysis of Functionally Graded Materials. , 2010, , .		0
152	Local integral equations implemented by MLS-approximation and analytical integrations. Engineering Analysis With Boundary Elements, 2010, 34, 904-913.	2.0	28
153	Non-linear dynamic analyses by meshless local Petrov-Galerkin formulations. International Journal for Numerical Methods in Engineering, 2010, 81, 1687-1699.	1.5	14
154	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.	1.3	68
155	Fracture Analysis of Functionally Graded Materials. , 2010, , .		0
156	Inverse Crack Problems in Piezoelectric Solids. , 2010, , .		0
157	Analysis of Thermo-Piezoelectricity Problems by Meshless Method. Acta Mechanica Slovaca, 2010, 14, 16-27.	0.1	8
158	From the BEM to mesh-free implementations of integral equations. WIT Transactions on State-of-the-art in Science and Engineering, 2010, , 227-241.	0.0	0
159	Dynamic crack analysis in piezoelectric solids with non-linear crack-face boundary conditions by a time-domain BEM. WIT Transactions on State-of-the-art in Science and Engineering, 2010, , 335-348.	0.0	0
160	A hypersingular time-domain BEM for 2D dynamic crack analysis in anisotropic solids. International Journal for Numerical Methods in Engineering, 2009, 78, 127-150.	1.5	18
161	Axial symmetric elasticity analysis in non-homogeneous bodies under gravitational load by triple-reciprocity boundary element method. International Journal for Numerical Methods in Engineering, 2009, 78, 779-799.	1.5	2
162	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.	3.4	13

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163	Transient dynamic analysis of interface cracks in layered anisotropic solids under impact loading. <i>International Journal of Fracture</i> , 2009, 157, 131-147.	1.1	31
164	Inverse fracture problems in piezoelectric solids by local integral equation method. <i>Engineering Analysis With Boundary Elements</i> , 2009, 33, 1089-1099.	2.0	6
165	Modeling of Smart Structures by Meshless Local Integral Equation Method. , 2009, , 263-275.		0
166	Meshless implementations of local integral equations. <i>WIT Transactions on Modelling and Simulation</i> , 2009, , .	0.0	2
167	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.	0.3	2
168	Computation of stresses in non-homogeneous elastic solids by local integral equation method: a comparative study. <i>Computational Mechanics</i> , 2008, 41, 827-845.	2.2	44
169	Local integral equation method for viscoelastic Reissner-Mindlin plates. <i>Computational Mechanics</i> , 2008, 41, 759-768.	2.2	15
170	Fracture analysis of cracks in magneto-electro-elastic solids by the MLPG. <i>Computational Mechanics</i> , 2008, 42, 697-714.	2.2	72
171	Fracture analysis of functionally graded materials by a BEM. <i>Composites Science and Technology</i> , 2008, 68, 1209-1215.	3.8	97
172	Dynamic 3D axisymmetric problems in continuously non-homogeneous piezoelectric solids. <i>International Journal of Solids and Structures</i> , 2008, 45, 4523-4542.	1.3	29
173	Displacement discontinuity method for cracked orthotropic strip: Dynamic. <i>Wave Motion</i> , 2008, 45, 293-308.	1.0	12
174	Local integral equation formulation for axially symmetric problems involving elastic FGM. <i>Engineering Analysis With Boundary Elements</i> , 2008, 32, 1012-1024.	2.0	19
175	The Use of Finite Elements for Approximation of Field Variables on Local Sub-Domains in a Mesh-Free Way. <i>Computational Methods in Applied Sciences (Springer)</i> , 2008, , 87-106.	0.1	2
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