

Kim Meow Liew

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935
papers

37,552
citations

89
h-index

138
g-index

956
ext. papers

41,450
ext. citations

4.6
avg, IF

8.06
L-index

#	Paper	IF	Citations
935	Static and free vibration analyses of carbon nanotube-reinforced composite plates using finite element method with first order shear deformation plate theory. <i>Composite Structures</i> , 2012 , 94, 1450-1460	5.3	492
934	Mechanical analysis of functionally graded carbon nanotube reinforced composites: A review. <i>Composite Structures</i> , 2015 , 120, 90-97	5.3	464
933	Application of nonlocal continuum mechanics to static analysis of micro- and nano-structures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 363, 236-242	2.3	389
932	Society and civilization: An optimization algorithm based on the simulation of social behavior. <i>IEEE Transactions on Evolutionary Computation</i> , 2003 , 7, 386-396	15.6	350
931	Nonlocal shell model for elastic wave propagation in single- and double-walled carbon nanotubes. <i>Journal of the Mechanics and Physics of Solids</i> , 2008 , 56, 3475-3485	5	333
930	Buckling analysis of multi-walled carbon nanotubes: a continuum model accounting for van der Waals interaction. <i>Journal of the Mechanics and Physics of Solids</i> , 2005 , 53, 303-326	5	323
929	Active control of FGM plates with integrated piezoelectric sensors and actuators. <i>International Journal of Solids and Structures</i> , 2001 , 38, 1641-1655	3.1	316
928	On the study of elastic and plastic properties of multi-walled carbon nanotubes under axial tension using molecular dynamics simulation. <i>Acta Materialia</i> , 2004 , 52, 2521-2527	8.4	294
927	Preparation of functionalized graphene oxide/polypropylene nanocomposite with significantly improved thermal stability and studies on the crystallization behavior and mechanical properties. <i>Chemical Engineering Journal</i> , 2014 , 237, 411-420	14.7	289
926	Equilibrium configuration and continuum elastic properties of finite sized graphene. <i>Nanotechnology</i> , 2006 , 17, 864-870	3.4	286
925	A review of meshless methods for laminated and functionally graded plates and shells. <i>Composite Structures</i> , 2011 , 93, 2031-2041	5.3	281
924	Nanomechanics of single and multiwalled carbon nanotubes. <i>Physical Review B</i> , 2004 , 69,	3.3	276
923	Free vibration analysis of functionally graded plates using the element-free kp-Ritz method. <i>Journal of Sound and Vibration</i> , 2009 , 319, 918-939	3.9	254
922	Buckling analysis of functionally graded carbon nanotube-reinforced composite plates using the element-free kp-Ritz method. <i>Composite Structures</i> , 2013 , 98, 160-168	5.3	250
921	Static and dynamic of carbon nanotube reinforced functionally graded cylindrical panels. <i>Composite Structures</i> , 2014 , 111, 205-212	5.3	239
920	Postbuckling of piezoelectric FGM plates subject to thermo-electro-mechanical loading. <i>International Journal of Solids and Structures</i> , 2003 , 40, 3869-3892	3.1	238
919	Continuum model for the vibration of multilayered graphene sheets. <i>Physical Review B</i> , 2005 , 72,	3.3	225

918	Dynamic stability analysis of functionally graded cylindrical shells under periodic axial loading. <i>International Journal of Solids and Structures</i> , 2001 , 38, 1295-1309	3.1	218
917	Analysis of the thermal stress behaviour of functionally graded hollow circular cylinders. <i>International Journal of Solids and Structures</i> , 2003 , 40, 2355-2380	3.1	204
916	Free vibration analysis of functionally graded carbon nanotube-reinforced composite triangular plates using the FSDT and element-free IMLS-Ritz method. <i>Composite Structures</i> , 2015 , 120, 189-199	5.3	202
915	Free vibration analysis of functionally graded carbon nanotube-reinforced composite plates using the element-free kp-Ritz method in thermal environment. <i>Composite Structures</i> , 2013 , 106, 128-138	5.3	201
914	Mechanical and thermal buckling analysis of functionally graded plates. <i>Composite Structures</i> , 2009 , 90, 161-171	5.3	201
913	A Swarm Metaphor for Multiobjective Design Optimization. <i>Engineering Optimization</i> , 2002 , 34, 141-153	2	200
912	Research on thick plate vibration: a literature survey. <i>Journal of Sound and Vibration</i> , 1995 , 180, 163-176	3.9	198
911	Postbuckling of carbon nanotube-reinforced functionally graded cylindrical panels under axial compression using a meshless approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014 , 268, 1-17	5.7	196
910	Predicting nanovibration of multi-layered graphene sheets embedded in an elastic matrix. <i>Acta Materialia</i> , 2006 , 54, 4229-4236	8.4	189
909	Vibration analysis of symmetrically laminated plates based on FSDT using the moving least squares differential quadrature method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003 , 192, 2203-2222	5.7	188
908	Mechanical design and optimization of capacitive micromachined switch. <i>Sensors and Actuators A: Physical</i> , 2001 , 93, 273-285	3.9	172
907	Free vibration analysis of laminated FG-CNT reinforced composite rectangular plates using the kp-Ritz method. <i>Composite Structures</i> , 2015 , 127, 245-259	5.3	171
906	Dynamic stability analysis of carbon nanotube-reinforced functionally graded cylindrical panels using the element-free kp-Ritz method. <i>Composite Structures</i> , 2014 , 113, 328-338	5.3	170
905	Thermal buckling of functionally graded plates using a local Kriging meshless method. <i>Composite Structures</i> , 2014 , 108, 472-492	5.3	170
904	Preparation of poly(vinyl alcohol) nanocomposites with molybdenum disulfide (MoS ₂): structural characteristics and markedly enhanced properties. <i>RSC Advances</i> , 2012 , 2, 11695	3.7	170
903	Buckling analysis of FG-CNT reinforced composite thick skew plates using an element-free approach. <i>Composites Part B: Engineering</i> , 2015 , 75, 36-46	10	160
902	Isogeometric analysis of functionally graded carbon nanotube-reinforced composite plates using higher-order shear deformation theory. <i>Composite Structures</i> , 2015 , 123, 137-149	5.3	157
901	Resonance analysis of multi-layered graphene sheets used as nanoscale resonators. <i>Nanotechnology</i> , 2005 , 16, 2086-91	3.4	157

900	Large deflection geometrically nonlinear analysis of carbon nanotube-reinforced functionally graded cylindrical panels. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014 , 273, 1-18	5.7	152
899	Boundary element-free method (BEFM) and its application to two-dimensional elasticity problems. <i>International Journal for Numerical Methods in Engineering</i> , 2006 , 65, 1310-1332	2.4	151
898	Graphitic carbon nitride/phosphorus-rich aluminum phosphinates hybrids as smoke suppressants and flame retardants for polystyrene. <i>Journal of Hazardous Materials</i> , 2017 , 332, 87-96	12.8	150
897	Geometrically nonlinear thermomechanical analysis of moderately thick functionally graded plates using a local Petrov-Galerkin approach with moving Kriging interpolation. <i>Composite Structures</i> , 2014 , 107, 298-314	5.3	147
896	Application of Wavelet Theory for Crack Identification in Structures. <i>Journal of Engineering Mechanics - ASCE</i> , 1998 , 124, 152-157	2.4	147
895	Vibration of Shallow Shells: A Review With Bibliography. <i>Applied Mechanics Reviews</i> , 1997 , 50, 431-444	8.6	145
894	Green concrete: Prospects and challenges. <i>Construction and Building Materials</i> , 2017 , 156, 1063-1095	6.7	144
893	Eco-friendly flame retardant and electromagnetic interference shielding cotton fabrics with multi-layered coatings. <i>Chemical Engineering Journal</i> , 2019 , 372, 1077-1090	14.7	141
892	Carbon nanotube reinforced cementitious composites: An overview. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 91, 301-323	8.4	141
891	A novel strategy to simultaneously electrochemically prepare and functionalize graphene with a multifunctional flame retardant. <i>Chemical Engineering Journal</i> , 2017 , 316, 514-524	14.7	138
890	Vibration analysis of functionally graded carbon nanotube reinforced composite thick plates with elastically restrained edges. <i>International Journal of Mechanical Sciences</i> , 2015 , 103, 9-21	5.5	138
889	Vibration characteristic of moderately thick functionally graded carbon nanotube reinforced composite skew plates. <i>Composite Structures</i> , 2015 , 122, 172-183	5.3	136
888	Large amplitude vibration of thermo-electro-mechanically stressed FGM laminated plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003 , 192, 3861-3885	5.7	136
887	Free vibration analysis of conical shells via the element-free kp-Ritz method. <i>Journal of Sound and Vibration</i> , 2005 , 281, 627-645	3.9	136
886	Harmonic reproducing kernel particle method for free vibration analysis of rotating cylindrical shells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002 , 191, 4141-4157	5.7	134
885	Transverse vibration of thick rectangular plates—Comprehensive sets of boundary conditions. <i>Computers and Structures</i> , 1993 , 49, 1-29	4.5	129
884	Large deflection analysis of functionally graded carbon nanotube-reinforced composite plates by the element-free kp-Ritz method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2013 , 256, 189-199	5.7	128
883	Highly Effective PB Synergy of a Novel DOPO-Based Flame Retardant for Epoxy Resin. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1245-1255	3.9	127

882	Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. <i>International Journal of Solids and Structures</i> , 2006 , 43, 307-324	3.1	126
881	A continuum three-dimensional vibration analysis of thick rectangular plates. <i>International Journal of Solids and Structures</i> , 1993 , 30, 3357-3379	3.1	126
880	Postbuckling of carbon nanotube reinforced functionally graded plates with edges elastically restrained against translation and rotation under axial compression. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 298, 1-28	5.7	124
879	Free vibration and buckling analyses of shear-deformable plates based on FSDT meshfree method. <i>Journal of Sound and Vibration</i> , 2004 , 276, 997-1017	3.9	123
878	Differential quadrature method for Mindlin plates on Winkler foundations. <i>International Journal of Mechanical Sciences</i> , 1996 , 38, 405-421	5.5	123
877	Effect of cellulose acetate butyrate microencapsulated ammonium polyphosphate on the flame retardancy, mechanical, electrical, and thermal properties of intumescent flame-retardant ethylene-vinyl acetate copolymer/microencapsulated ammonium polyphosphate/polyamide-6 hexam. <i>Applied Materials & Interfaces</i> , 2014 , 6, 2751-61	9.5	121
876	Free vibration analysis of functionally graded conical shell panels by a meshless method. <i>Composite Structures</i> , 2011 , 93, 649-664	5.3	121
875	Nonlinear bending analysis of FG-CNT reinforced composite thick plates resting on Pasternak foundations using the element-free IMLS-Ritz method. <i>Composite Structures</i> , 2015 , 128, 165-175	5.3	118
874	Application of two-dimensional orthogonal plate function to flexural vibration of skew plates. <i>Journal of Sound and Vibration</i> , 1990 , 139, 241-252	3.9	114
873	An overview of layerwise theories for composite laminates and structures: Development, numerical implementation and application. <i>Composite Structures</i> , 2019 , 216, 240-259	5.3	113
872	Semi-analytical solution for nonlinear vibration of laminated FGM plates with geometric imperfections. <i>International Journal of Solids and Structures</i> , 2004 , 41, 2235-2257	3.1	112
871	Thermomechanical postbuckling analysis of moderately thick functionally graded plates and shallow shells. <i>International Journal of Mechanical Sciences</i> , 2005 , 47, 1147-1171	5.5	112
870	Second-order statistics of the elastic buckling of functionally graded rectangular plates. <i>Composites Science and Technology</i> , 2005 , 65, 1165-1175	8.6	112
869	SOLVING THE VIBRATION OF THICK SYMMETRIC LAMINATES BY REISSNER/MINDLIN PLATE THEORY AND THEp-RITZ METHOD. <i>Journal of Sound and Vibration</i> , 1996 , 198, 343-360	3.9	112
868	Thermoelastic analysis of functionally graded carbon nanotube-reinforced composite plate using theory of elasticity. <i>Composite Structures</i> , 2013 , 106, 873-881	5.3	111
867	Analysis of laminated CNT reinforced functionally graded plates using the element-free kp-Ritz method. <i>Composites Part B: Engineering</i> , 2016 , 84, 211-221	10	110
866	Non-linear dynamic stability of piezoelectric functionally graded carbon nanotube-reinforced composite plates with initial geometric imperfection. <i>International Journal of Non-Linear Mechanics</i> , 2014 , 59, 37-51	2.8	110
865	Active control of FGM plates subjected to a temperature gradient: Modelling via finite element method based on FSDT. <i>International Journal for Numerical Methods in Engineering</i> , 2001 , 52, 1253-1271	2.4	110

864	Random vibration of the functionally graded laminates in thermal environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 1075-1095	5.7	108
863	Formation of self-extinguishing flame retardant biobased coating on cotton fabrics via Layer-by-Layer assembly of chitin derivatives. <i>Carbohydrate Polymers</i> , 2015 , 115, 516-24	10.3	106
862	Formation of layer-by-layer assembled titanate nanotubes filled coating on flexible polyurethane foam with improved flame retardant and smoke suppression properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 101-11	9.5	105
861	Thermal stability of single and multi-walled carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	105
860	Analyzing 2D fracture problems with the improved element-free Galerkin method. <i>Engineering Analysis With Boundary Elements</i> , 2008 , 32, 241-250	2.6	104
859	Vibration Of Thick Skew Plates Based On Mindlin Shear Deformation Plate Theory. <i>Journal of Sound and Vibration</i> , 1993 , 168, 39-69	3.9	103
858	Buckling of thick skew plates. <i>International Journal for Numerical Methods in Engineering</i> , 1993 , 36, 1299-1310	3.10	103
857	VIBRATION ANALYSIS OF CIRCULAR MINDLIN PLATES USING THE DIFFERENTIAL QUADRATURE METHOD. <i>Journal of Sound and Vibration</i> , 1997 , 205, 617-630	3.9	100
856	Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2004 , 71, 839-850	2.7	99
855	Thermoelastic and vibration analysis of functionally graded cylindrical shells. <i>International Journal of Mechanical Sciences</i> , 2009 , 51, 694-707	5.5	97
854	The recent progress of functionally graded CNT reinforced composites and structures. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	96
853	Axisymmetric free vibration of thick annular plates. <i>International Journal of Mechanical Sciences</i> , 1999 , 41, 1089-1109	5.5	94
852	pb-2 Rayleigh - Ritz method for general plate analysis. <i>Engineering Structures</i> , 1993 , 15, 55-60	4.7	92
851	Studies on Synthesis of Electrochemically Exfoliated Functionalized Graphene and Polylactic Acid/Ferric Phytate Functionalized Graphene Nanocomposites as New Fire Hazard Suppression Materials. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25552-62	9.5	92
850	Geometrically nonlinear analysis of functionally graded shells. <i>International Journal of Mechanical Sciences</i> , 2009 , 51, 131-144	5.5	91
849	Analysis of wave propagation in carbon nanotubes via elastic shell theories. <i>International Journal of Engineering Science</i> , 2007 , 45, 227-241	5.7	91
848	Nonlinear vibration of a coating-FGM-substrate cylindrical panel subjected to a temperature gradient. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006 , 195, 1007-1026	5.7	91
847	Geometrically nonlinear analysis of functionally graded plates using the element-free kp-Ritz method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009 , 198, 2796-2811	5.7	89

846	Mesh-free radial basis function method for buckling analysis of non-uniformly loaded arbitrarily shaped shear deformable plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2004 , 193, 205-224	5.7	89
845	Computation of vibration solution for functionally graded carbon nanotube-reinforced composite thick plates resting on elastic foundations using the element-free IMLS-Ritz method. <i>Applied Mathematics and Computation</i> , 2015 , 256, 488-504	2.7	88
844	Meshfree method for large deformation analysis of reproducing kernel particle approach. <i>Engineering Structures</i> , 2002 , 24, 543-551	4.7	88
843	Stochastic analysis of compositionally graded plates with system randomness under static loading. <i>International Journal of Mechanical Sciences</i> , 2005 , 47, 1519-1541	5.5	88
842	Boundary element-free method (BEFM) for two-dimensional elastodynamic analysis using Laplace transform. <i>International Journal for Numerical Methods in Engineering</i> , 2005 , 64, 1610-1627	2.4	88
841	A pb-2 Ritz Formulation for Flexural Vibration of Shallow Cylindrical Shells of Rectangular Planform. <i>Journal of Sound and Vibration</i> , 1994 , 173, 343-375	3.9	88
840	State-space Levy method for vibration analysis of FG-CNT composite plates subjected to in-plane loads based on higher-order shear deformation theory. <i>Composite Structures</i> , 2015 , 134, 989-1003	5.3	87
839	Computation of aerothermoelastic properties and active flutter control of CNT reinforced functionally graded composite panels in supersonic airflow. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 300, 427-441	5.7	87
838	Moving least squares differential quadrature method and its application to the analysis of shear deformable plates. <i>International Journal for Numerical Methods in Engineering</i> , 2003 , 56, 2331-2351	2.4	87
837	Large deflection analysis of FG-CNT reinforced composite skew plates resting on Pasternak foundations using an element-free approach. <i>Composite Structures</i> , 2015 , 132, 974-983	5.3	86
836	Vibration analysis of CNT-reinforced functionally graded composite cylindrical shells in thermal environments. <i>International Journal of Mechanical Sciences</i> , 2016 , 115-116, 339-347	5.5	86
835	The improved element-free Galerkin method for two-dimensional elastodynamics problems. <i>Engineering Analysis With Boundary Elements</i> , 2013 , 37, 1576-1584	2.6	86
834	A facile strategy to simultaneously exfoliate and functionalize boron nitride nanosheets via Lewis acid-base interaction. <i>Chemical Engineering Journal</i> , 2017 , 330, 309-321	14.7	86
833	An improved element-free Galerkin method for numerical modeling of the biological population problems. <i>Engineering Analysis With Boundary Elements</i> , 2014 , 40, 181-188	2.6	86
832	Molecular mechanics modeling of carbon nanotube fracture. <i>Carbon</i> , 2007 , 45, 1769-1776	10.4	86
831	Geometrically nonlinear large deformation analysis of functionally graded carbon nanotube reinforced composite straight-sided quadrilateral plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 295, 219-239	5.7	85
830	Design of artificial nacre-like hybrid films as shielding to mitigate electromagnetic pollution. <i>Carbon</i> , 2014 , 75, 178-189	10.4	85
829	An element-free IMLS-Ritz framework for buckling analysis of FG-CNT reinforced composite thick plates resting on Winkler foundations. <i>Engineering Analysis With Boundary Elements</i> , 2015 , 58, 7-17	2.6	84

828	Active control of FGM shells subjected to a temperature gradient via piezoelectric sensor/actuator patches. <i>International Journal for Numerical Methods in Engineering</i> , 2002 , 55, 653-668	2.4	84
827	Free vibration analysis of rectangular plates using orthogonal plate function. <i>Computers and Structures</i> , 1990 , 34, 79-85	4.5	84
826	The buckling of single-walled carbon nanotubes upon bending: The higher order gradient continuum and mesh-free method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008 , 197, 3001-3013	5.7	83
825	The influence of zinc hydroxystannate on reducing toxic gases (CO, NO(x) and HCN) generation and fire hazards of thermoplastic polyurethane composites. <i>Journal of Hazardous Materials</i> , 2016 , 314, 260-269	12.8	82
824	Free vibration analysis of moderately thick functionally graded plates by local Kriging meshless method. <i>Composite Structures</i> , 2011 , 93, 2925-2944	5.3	81
823	Finite element method for the feedback control of FGM shells in the frequency domain via piezoelectric sensors and actuators. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2004 , 193, 257-273	5.7	81
822	The improved element-free Galerkin method for three-dimensional wave equation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012 , 28, 808-818	2	80
821	Atomistic calculation of elastic moduli in strained silicon. <i>Semiconductor Science and Technology</i> , 2006 , 21, 906-911	1.8	80
820	A solution method for analysis of cracked plates under vibration. <i>Engineering Fracture Mechanics</i> , 1994 , 48, 393-404	4.2	80
819	Modeling of dynamic responses of CNT-reinforced composite cylindrical shells under impact loads. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 313, 889-903	5.7	79
818	Free vibration analysis of fluid-conveying single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2007 , 90, 133122	3.4	79
817	A Power Series Solution For Vibration Of A Rotating Timoshenko Beam. <i>Journal of Sound and Vibration</i> , 1994 , 175, 505-523	3.9	78
816	Elastodynamic analysis of carbon nanotube-reinforced functionally graded plates. <i>International Journal of Mechanical Sciences</i> , 2015 , 99, 208-217	5.5	77
815	Postbuckling analysis of axially compressed CNT reinforced functionally graded composite plates resting on Pasternak foundations using an element-free approach. <i>Composite Structures</i> , 2016 , 138, 40-51	5.3	77
814	The improved element-free Galerkin method for three-dimensional transient heat conduction problems. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 1568-1580	3.6	77
813	Tensile and compressive properties of carbon nanotube bundles. <i>Acta Materialia</i> , 2006 , 54, 225-231	8.4	77
812	Optimal shape control of CNT reinforced functionally graded composite plates using piezoelectric patches. <i>Composites Part B: Engineering</i> , 2016 , 85, 140-149	10	76
811	Buckling and free vibration analyses of stiffened plates using the FSDT mesh-free method. <i>Journal of Sound and Vibration</i> , 2006 , 289, 421-449	3.9	76

810	Non-linear analysis of the thermo-electro-mechanical behaviour of shear deformable FGM plates with piezoelectric actuators. <i>International Journal for Numerical Methods in Engineering</i> , 2004 , 59, 1605-1632	2.4	76
809	Analysis of laminated composite beams and plates with piezoelectric patches using the element-free Galerkin method. <i>Computational Mechanics</i> , 2002 , 29, 486-497	4	76
808	Energy harvesting from ocean waves by a floating energy harvester. <i>Energy</i> , 2016 , 112, 1219-1226	7.9	76
807	Analysis of rectangular laminated composite plates via FSDT meshless method. <i>International Journal of Mechanical Sciences</i> , 2002 , 44, 1275-1293	5.5	75
806	Fabrication of LDH nanosheets on FeOOH rods and applications for improving the fire safety of epoxy resin. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 80, 259-269	8.4	74
805	Complex variable moving least-squares method: a meshless approximation technique. <i>International Journal for Numerical Methods in Engineering</i> , 2007 , 70, 46-70	2.4	74
804	Mechanical and damping properties of CNT-reinforced cementitious composites. <i>Composite Structures</i> , 2017 , 160, 81-88	5.3	72
803	A novel unsymmetric 8-node plane element immune to mesh distortion under a quadratic displacement field. <i>International Journal for Numerical Methods in Engineering</i> , 2003 , 58, 1713-1748	2.4	72
802	The recent progress of recycled steel fiber reinforced concrete. <i>Construction and Building Materials</i> , 2020 , 232, 117232	6.7	72
801	Self-healable castor oil-based waterborne polyurethane/MXene film with outstanding electromagnetic interference shielding effectiveness and excellent shape memory performance. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 164-174	9.3	72
800	Polydopamine-bridged synthesis of ternary h-BN@PDA@SnO ₂ as nanoenhancers for flame retardant and smoke suppression of epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 111, 94-105	8.4	72
799	Large amplitude vibration of fractionally damped viscoelastic CNTs/fiber/polymer multiscale composite beams. <i>Composite Structures</i> , 2015 , 131, 1111-1123	5.3	71
798	Silicon Carbide Nanotubes Serving as a Highly Sensitive Gas Chemical Sensor for Formaldehyde. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10388-10393	3.8	71
797	Buckling of rectangular functionally graded material plates subjected to nonlinearly distributed in-plane edge loads. <i>Smart Materials and Structures</i> , 2004 , 13, 1430-1437	3.4	71
796	Bending and buckling of thick symmetric rectangular laminates using the moving least-squares differential quadrature method. <i>International Journal of Mechanical Sciences</i> , 2003 , 45, 95-114	5.5	71
795	Experimental study on characteristics of pedestrian evacuation on stairs in a high-rise building. <i>Safety Science</i> , 2016 , 86, 165-173	5.8	70
794	An element-free computational framework for elastodynamic problems based on the IMLS-Ritz method. <i>Engineering Analysis With Boundary Elements</i> , 2015 , 54, 39-46	2.6	70
793	A FEM model for the active control of curved FGM shells using piezoelectric sensor/actuator layers. <i>International Journal for Numerical Methods in Engineering</i> , 2002 , 54, 853-870	2.4	70

792	Modeling of van der Waals force for infinitesimal deformation of multi-walled carbon nanotubes treated as cylindrical shells. <i>International Journal of Solids and Structures</i> , 2005 , 42, 6032-6047	3.1	70
791	Buckling properties of carbon nanotube bundles. <i>Applied Physics Letters</i> , 2005 , 87, 041901	3.4	70
790	THREE-DIMENSIONAL VIBRATION ANALYSIS OF RECTANGULAR PLATES BASED ON DIFFERENTIAL QUADRATURE METHOD. <i>Journal of Sound and Vibration</i> , 1999 , 220, 577-599	3.9	70
789	Co-precipitation synthesis of reduced graphene oxide/NiAl-layered double hydroxide hybrid and its application in flame retarding poly(methyl methacrylate). <i>Materials Research Bulletin</i> , 2014 , 49, 657-664	5.1	69
788	Finite element piezothermoelasticity analysis and the active control of FGM plates with integrated piezoelectric sensors and actuators. <i>Computational Mechanics</i> , 2003 , 31, 350-358	4	69
787	Differential quadrature method for thick symmetric cross-ply laminates with first-order shear flexibility. <i>International Journal of Solids and Structures</i> , 1996 , 33, 2647-2658	3.1	69
786	Wave propagation in graphene sheets with nonlocal elastic theory via finite element formulation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012 , 223-224, 1-9	5.7	68
785	Boron/phosphorus doping for retarding the oxidation of reduced graphene oxide. <i>Carbon</i> , 2016 , 101, 152-158	10.4	67
784	Numerical differential quadrature method for Reissner/Mindlin plates on two-parameter foundations. <i>International Journal of Mechanical Sciences</i> , 1997 , 39, 977-989	5.5	67
783	Buckling of rectangular Mindlin plates subjected to partial in-plane edge loads using the radial point interpolation method. <i>International Journal of Solids and Structures</i> , 2004 , 41, 1677-1695	3.1	67
782	Thermomechanical postbuckling analysis of functionally graded plates and shallow cylindrical shells. <i>Acta Mechanica</i> , 2003 , 165, 99-115	2.1	67
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