

Km Liew

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

463
papers

23,635
citations

82
h-index

125
g-index

467
ext. papers

25,806
ext. citations

5.2
avg, IF

7.7
L-index

#	Paper	IF	Citations
463	Laminar burning velocity and cellular instability of 2-butanone-air flames at elevated pressures. <i>Fuel</i> , 2022 , 316, 123390	7.1	2
462	A cyclic plastic-damage multiphase model for evaluation of multiple cracking in strain hardening cementitious composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2022 , 158, 104692	5	2
461	A phase-field framework for failure modeling of variable stiffness composite laminae. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022 , 388, 114192	5.7	2
460	Effects of diluents on laminar burning velocity and cellular instability of 2-methyltetrahydrofuran-air flames. <i>Fuel</i> , 2022 , 308, 121974	7.1	1
459	Future developments and challenges of nano-tailored cementitious composites 2022 , 459-472		
458	The use of curvilinear fibers for enhancement of progressive failure performance of perforated composite panels. <i>Composite Structures</i> , 2022 , 288, 115424	5.3	0
457	New insights into diffusion and reaction of CO ₂ gas in recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2022 , 129, 104486	8.6	1
456	Adaptive particle refinement strategies in smoothed particle hydrodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 114276	5.7	2
455	Carbonation resistance study and inhomogeneity evolution of recycled aggregate concretes under loading effects. <i>Cement and Concrete Composites</i> , 2021 , 118, 103916	8.6	16
454	New insights into creep characteristics of calcium silicate hydrates at molecular level. <i>Cement and Concrete Research</i> , 2021 , 142, 106366	10.3	12
453	Atomistic insights into structure evolution and mechanical property of calcium silicate hydrates influenced by nuclear waste caesium. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125033	12.8	7
452	Adaptive surrogate-based harmony search algorithm for design optimization of variable stiffness composite materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 379, 113754	5.7	8
451	Data-driven machine learning approach for exploring and assessing mechanical properties of carbon nanotube-reinforced cement composites. <i>Composite Structures</i> , 2021 , 267, 113917	5.3	16
450	Understanding interfacial interaction characteristics of carbon nitride reinforced epoxy composites from atomistic insights. <i>Carbon</i> , 2021 , 171, 45-54	10.4	11
449	Predicting buckling and vibration behaviors of functionally graded carbon nanotube reinforced composite cylindrical panels with three-dimensional flexibilities. <i>Composite Structures</i> , 2021 , 256, 113039	5.3	7
448	Laminar burning velocities of 2-methyltetrahydrofuran at elevated pressures. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 2175-2183	5.9	6
447	Exploring mechanical performance of hybrid MWCNT and GNMP reinforced cementitious composites. <i>Construction and Building Materials</i> , 2021 , 267, 120721	6.7	9

446	Multicriteria performance evaluation of fiber-reinforced cement composites: An environmental perspective. <i>Composites Part B: Engineering</i> , 2021 , 218, 108937	10	15
445	Microstructural changes and mechanical performance of cement composites reinforced with recycled carbon fibers. <i>Cement and Concrete Composites</i> , 2021 , 121, 104069	8.6	7
444	A framework for phase-field modeling of interfacial debonding and frictional slipping in heterogeneous composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 382, 113872	5.7	3
443	Multi-objective optimization of bio-inspired prefabricated composites for sustainable and resilient construction. <i>Composite Structures</i> , 2021 , 279, 114732	5.3	10
442	Machine learning and materials informatics approaches for evaluating the interfacial properties of fiber-reinforced composites. <i>Composite Structures</i> , 2021 , 273, 114328	5.3	2
441	A phase-field thermomechanical framework for modeling failure and crack evolution in glass panes under fire. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 385, 114068	5.7	0
440	Modeling microfracture evolution in heterogeneous composites: A coupled cohesive phase-field model. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 142, 103968	5	25
439	Predicting vibration characteristics of rotating composite blades containing CNT-reinforced composite laminae and damaged fiber-reinforced composite laminae. <i>Composite Structures</i> , 2020 , 250, 112580	5.3	20
438	Smoothed particle hydrodynamics modeling of the thermal behavior of double skin facades in fires considering the effects of venetian blinds. <i>Applied Mathematical Modelling</i> , 2020 , 84, 357-376	4.5	3
437	Carbon nanotube-geopolymer nanocomposites: A molecular dynamics study of the influence of interfacial chemical bonding upon the structural and mechanical properties. <i>Carbon</i> , 2020 , 161, 772-783	10.4	24
436	Modeling glass cooling mechanism with down-flowing water film via the smoothed particle hydrodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 362, 112839	5.7	6
435	Predicting carbonation service life of reinforced concrete beams reflecting distribution of carbonation zones. <i>Construction and Building Materials</i> , 2020 , 255, 119367	6.7	20
434	The recent progress of recycled steel fiber reinforced concrete. <i>Construction and Building Materials</i> , 2020 , 232, 117232	6.7	72
433	Utilizing recycled aggregate concrete in sustainable construction for a required compressive strength ratio. <i>Journal of Cleaner Production</i> , 2020 , 276, 124249	10.3	32
432	Assessing recycling potential of carbon fiber reinforced plastic waste in production of eco-efficient cement-based materials. <i>Journal of Cleaner Production</i> , 2020 , 274, 123001	10.3	34
431	Influence of elevated temperature on the microstructure and mechanical performance of cement composites reinforced with recycled carbon fibers. <i>Composites Part B: Engineering</i> , 2020 , 198, 108245	10	19
430	Modeling of crack bridging and failure in heterogeneous composite materials: A damage-plastic multiphase model. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 143, 104072	5	14
429	A smoothed particle hydrodynamics-peridynamics coupling strategy for modeling fluid-structure interaction problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 371, 113298	5.7	10

428	A meshfree analysis of the thermal behaviors of hot surface glass pane subjects to down-flowing water film via smoothed particle hydrodynamics. <i>Engineering Analysis With Boundary Elements</i> , 2020 , 120, 195-210	2.6	3
427	Active vibration control of functionally graded graphene nanoplatelets reinforced composite plates integrated with piezoelectric layers. <i>Thin-Walled Structures</i> , 2019 , 145, 106372	4.7	44
426	Graphene and graphene oxide in calcium silicate hydrates: Chemical reactions, mechanical behavior and interfacial sliding. <i>Carbon</i> , 2019 , 146, 181-193	10.4	46
425	Sustainable CFRP-reinforced recycled concrete for cleaner eco-friendly construction. <i>Journal of Cleaner Production</i> , 2019 , 233, 56-75	10.3	28
424	Modeling geometrically nonlinear large deformation behaviors of matrix cracked hybrid composite deep shells containing CNTRC layers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 355, 753-778	5.7	35
423	Effective utilization and recycling of mixed recycled aggregates for a greener environment. <i>Journal of Cleaner Production</i> , 2019 , 236, 117600	10.3	64
422	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
421	Mechanical properties of diamond nanothread reinforced polymer composites. <i>Carbon</i> , 2018 , 132, 232-240	10.4	40
420	Characterizing nonlinear vibration behavior of bilayer graphene thin films. <i>Composites Part B: Engineering</i> , 2018 , 145, 197-205	10	16
419	Modeling large amplitude vibration of matrix cracked hybrid laminated plates containing CNTR-FG layers. <i>Applied Mathematical Modelling</i> , 2018 , 55, 33-48	4.5	20
418	A multiscale framework for large deformation modeling of RBC membranes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 329, 144-167	5.7	15
417	Impact analysis of CNT-reinforced composite plates integrated with piezoelectric layers based on Reddy's higher-order shear deformation theory. <i>Composites Part B: Engineering</i> , 2018 , 136, 10-19	10	19
416	Bending and vibration behaviors of matrix cracked hybrid laminated plates containing CNTR-FG layers and FRC layers. <i>Composite Structures</i> , 2018 , 184, 314-326	5.3	16
415	Thermomechanical buckling characteristic of ultrathin films based on nonlocal elasticity theory. <i>Composites Part B: Engineering</i> , 2018 , 153, 184-193	10	17
414	Modeling the postbuckling behavior of thermal-resistant ultrathin films attached to glass substrate. <i>Composite Structures</i> , 2018 , 206, 279-287	5.3	12
413	Microstructure and mechanical performance of graphene reinforced cementitious composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 114, 188-195	8.4	33
412	Buckling and pattern transformation of modified periodic lattice structures. <i>Extreme Mechanics Letters</i> , 2018 , 22, 112-121	3.9	22
411	Dynamic responses of aerothermoelastic functionally graded CNT reinforced composite panels in supersonic airflow subjected to low-velocity impact. <i>Composites Part B: Engineering</i> , 2018 , 149, 99-109	10	20

410	Multiscale modeling of crystal plastic deformation of polycrystalline titanium at high temperatures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 340, 932-955	5-7	4
409	Free vibration analysis of FG-CNT reinforced composite straight-sided quadrilateral plates resting on elastic foundations using the IMLS-Ritz method. <i>JVC/Journal of Vibration and Control</i> , 2017 , 23, 1026-1043	10-12	19
408	Phosphorylated cellulose applied for the exfoliation of LDH: An advanced reinforcement for polyvinyl alcohol. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 94, 170-177	8-4	19
407	Classical Molecular Dynamics Simulations 2017 , 49-139		1
406	Atomistic-Continuum Theory 2017 , 141-248		
405	A multiscale Cauchy-Born meshfree model for deformability of red blood cells parasitized by Plasmodium falciparum. <i>Journal of the Mechanics and Physics of Solids</i> , 2017 , 101, 268-284	5	10
404	Synthesis of MnO ₂ nanoparticles with different morphologies and application for improving the fire safety of epoxy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 95, 173-182	8-4	47
403	Mechanical and damping properties of CNT-reinforced cementitious composites. <i>Composite Structures</i> , 2017 , 160, 81-88	5-3	72
402	Continuum Models 2017 , 261-299		
401	Modeling of thermo-mechanical fracture behaviors based on cohesive segments formulation. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 77, 81-88	2-6	4
400	Modeling of nonlinear vibration of graphene sheets using a meshfree method based on nonlocal elasticity theory. <i>Applied Mathematical Modelling</i> , 2017 , 49, 691-704	4-5	44
399	An octo-generator for energy harvesting based on the piezoelectric effect. <i>Applied Ocean Research</i> , 2017 , 64, 128-134	3-4	14
398	Impact analysis of CNT-reinforced composite plates based on Reddy's higher-order shear deformation theory using an element-free approach. <i>Composite Structures</i> , 2017 , 170, 228-242	5-3	21
397	Evaluation of microstructure and mechanical performance of CNT-reinforced cementitious composites at elevated temperatures. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 95, 286-293	8-4	35
396	A three-dimensional quasicontinuum approach for predicting biomechanical properties of malaria-infected red blood cell membrane. <i>Applied Mathematical Modelling</i> , 2017 , 49, 35-47	4-5	6
395	Effects of building concave structure on flame spread over extruded polystyrene thermal insulation material. <i>Applied Thermal Engineering</i> , 2017 , 121, 802-809	5-8	28
394	Experimental study on fire response of double glazed panels in curtain walls. <i>Fire Safety Journal</i> , 2017 , 92, 53-63	3-3	5
393	Structural stability and deformation resistant analysis of borophene and graphene-filled calcium silicate for cement-based materials. <i>Computational Materials Science</i> , 2017 , 133, 130-136	3-2	5

392	Multiscale simulation of mechanical properties and microstructure of CNT-reinforced cement-based composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 319, 393-413	5.7	21
391	Vibration analysis of quadrilateral graphene sheets subjected to an in-plane magnetic field based on nonlocal elasticity theory. <i>Composites Part B: Engineering</i> , 2017 , 118, 96-103	10	54
390	Isogeometric analysis of the effect of CNT orientation on the static and vibration behaviors of CNT-reinforced skew composite plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 317, 341-379	5.7	34
389	Isogeometric approach for buckling analysis of CNT-reinforced composite skew plates under optimal CNT-orientation. <i>Composite Structures</i> , 2017 , 163, 365-384	5.3	34
388	Green concrete: Prospects and challenges. <i>Construction and Building Materials</i> , 2017 , 156, 1063-1095	6.7	144
387	Nonlocal Elasticity Theories 2017 , 301-334		1
386	Technologically Relevant Applications 2017 , 335-386		
385	A mesh-free vibration analysis of strain gradient nano-beams. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 84, 231-236	2.6	12
384	Modeling aerothermoelastic properties and active flutter control of nanocomposite cylindrical shells in supersonic airflow under thermal environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 325, 416-433	5.7	20
383	Investigation of thermal breakage and heat transfer in single, insulated and laminated glazing under fire conditions. <i>Applied Thermal Engineering</i> , 2017 , 125, 662-672	5.8	23
382	Atomistic-continuum model for probing the biomechanical properties of human erythrocyte membrane under extreme conditions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 325, 22-36	5.7	9
381	Buckling analysis and buckling control of thin films on shape memory polymer substrate. <i>European Journal of Mechanics, A/Solids</i> , 2017 , 66, 356-369	3.7	15
380	Pattern transformation of single-material and composite periodic cellular structures. <i>Materials and Design</i> , 2017 , 132, 375-384	8.1	24
379	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
378	A third-order Cauchy-Born rule for modeling of microtubules based on the element-free framework. <i>Composite Structures</i> , 2017 , 161, 215-226	5.3	
377	Meshless modeling of geometrically nonlinear behavior of CNT-reinforced functionally graded composite laminated plates. <i>Applied Mathematics and Computation</i> , 2017 , 295, 24-46	2.7	26
376	Active vibration control of CNT-reinforced composite plates with piezoelectric layers based on Reddy's higher-order shear deformation theory. <i>Composite Structures</i> , 2017 , 163, 350-364	5.3	40
375	Determination of critical breakage conditions for double glazing in fire. <i>Applied Thermal Engineering</i> , 2017 , 111, 20-29	5.8	13

374	Arrangements of Carbon-Based Structures 2017 , 411-442		1
373	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
372	Geometrically nonlinear large deformation analysis of triangular CNT-reinforced composite plates. <i>International Journal of Non-Linear Mechanics</i> , 2016 , 86, 122-132	2.8	51
371	Active vibration control of CNT-reinforced composite cylindrical shells via piezoelectric patches. <i>Composite Structures</i> , 2016 , 158, 92-100	5.3	48
370	Geometrically nonlinear analysis of arbitrarily straight-sided quadrilateral FGM plates. <i>Composite Structures</i> , 2016 , 154, 443-452	5.3	14
369	A multiscale computational framework for the analysis of graphene involving geometrical and material nonlinearities. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 310, 208-232	5.7	9
368	Carbon nanotube reinforced cementitious composites: An overview. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 91, 301-323	8.4	141
367	Dynamic responses of CNT reinforced composite plates subjected to impact loading. <i>Composites Part B: Engineering</i> , 2016 , 99, 154-161	10	47
366	An element-free analysis of CNT-reinforced composite plates with column supports and elastically restrained edges under large deformation. <i>Composites Part B: Engineering</i> , 2016 , 95, 18-28	10	46
365	Influence of fire location on the thermal performance of glass façades. <i>Applied Thermal Engineering</i> , 2016 , 106, 438-442	5.8	13
364	Buckling analysis of graphene sheets embedded in an elastic medium based on the kp-Ritz method and non-local elasticity theory. <i>Engineering Analysis With Boundary Elements</i> , 2016 , 70, 31-39	2.6	39
363	A multiscale modeling of CNT-reinforced cement composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 309, 411-433	5.7	21
362	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
361	Postbuckling behavior of bi-axially compressed arbitrarily straight-sided quadrilateral functionally graded material plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 300, 593-610	5.7	43
360	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
359	Flammability and safety design of thermal insulation materials comprising PS foams and fire barrier materials. <i>Materials and Design</i> , 2016 , 99, 500-508	8.1	24
358	Free vibration analysis of bilayer graphene sheets subjected to in-plane magnetic fields. <i>Composite Structures</i> , 2016 , 144, 86-95	5.3	43
357	Synthesis and characterization of MnO ₂ nanosheets based multilayer coating and applications as a flame retardant for flexible polyurethane foam. <i>Composites Science and Technology</i> , 2016 , 123, 212-221	8.6	50

356	Vibration of FG-CNT reinforced composite thick quadrilateral plates resting on Pasternak foundations. <i>Engineering Analysis With Boundary Elements</i> , 2016 , 64, 1-11	2.6	36
355	Aeroelastic analysis of CNT reinforced functionally graded composite panels in supersonic airflow using a higher-order shear deformation theory. <i>Composite Structures</i> , 2016 , 141, 79-90	5.3	34
354	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
353	Parametric analysis of frequency of rotating laminated CNT reinforced functionally graded cylindrical panels. <i>Composites Part B: Engineering</i> , 2016 , 90, 251-266	10	37
352	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
351	Active vibration control of CNT reinforced functionally graded plates based on a higher-order shear deformation theory. <i>International Journal of Mechanical Sciences</i> , 2016 , 105, 90-101	5.5	45
350	Nonlocal continuum model for large deformation analysis of SLGSs using the kp-Ritz element-free method. <i>International Journal of Non-Linear Mechanics</i> , 2016 , 79, 1-9	2.8	38
349	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
348	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
347	Vibration analysis of CNT reinforced functionally graded composite plates in a thermal environment based on Reddy's higher-order shear deformation theory. <i>Composite Structures</i> , 2016 , 156, 276-290	5.3	59
346	Elastodynamic analysis of quadrilateral CNT-reinforced functionally graded composite plates using FSDT element-free method. <i>Composite Structures</i> , 2016 , 148, 144-154	5.3	49
345	A mesh-free computational framework for predicting vibration behaviors of microtubules in an elastic medium. <i>Composite Structures</i> , 2016 , 149, 41-53	5.3	12
344	Buckling analysis of CNT reinforced functionally graded laminated composite plates. <i>Composite Structures</i> , 2016 , 152, 62-73	5.3	63
343	Meshfree simulation of temperature effects on the mechanical behaviors of microtubules. <i>Engineering Analysis With Boundary Elements</i> , 2016 , 69, 104-118	2.6	4
342	Element-free geometrically nonlinear analysis of quadrilateral functionally graded material plates with internal column supports. <i>Composite Structures</i> , 2016 , 147, 99-110	5.3	40
341	Free vibration analysis of triangular CNT-reinforced composite plates subjected to in-plane stresses using FSDT element-free method. <i>Composite Structures</i> , 2016 , 149, 247-260	5.3	63
340	Postbuckling analysis of bi-axially compressed laminated nanocomposite plates using the first-order shear deformation theory. <i>Composite Structures</i> , 2016 , 152, 418-431	5.3	53
339	Energy harvesting from ocean waves by a floating energy harvester. <i>Energy</i> , 2016 , 112, 1219-1226	7.9	76

338	Active vibration control of FGM plates with piezoelectric layers based on Reddy's higher-order shear deformation theory. <i>Composite Structures</i> , 2016 , 155, 118-134	5.3	49
337	Predicting elastic properties of single-walled boron nitride nanotubes and nanocones using an atomistic-continuum approach. <i>Composite Structures</i> , 2015 , 125, 489-498	5.3	23
336	Transient analysis of single-layered graphene sheet using the kp-Ritz method and nonlocal elasticity theory. <i>Applied Mathematics and Computation</i> , 2015 , 258, 489-501	2.7	30
335	Fracture behavior of framing coated glass curtain walls under fire conditions. <i>Fire Safety Journal</i> , 2015 , 75, 45-58	3.3	26
334	Pattern transformation of thermo-responsive shape memory polymer periodic cellular structures. <i>International Journal of Solids and Structures</i> , 2015 , 71, 194-205	3.1	35
333	Numerical computation of the elastic and mechanical properties of red blood cell membrane using the higher-order Cauchy-Born rule. <i>Applied Mathematics and Computation</i> , 2015 , 268, 334-353	2.7	12
332	Elastodynamic analysis of carbon nanotube-reinforced functionally graded plates. <i>International Journal of Mechanical Sciences</i> , 2015 , 99, 208-217	5.5	77
331	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
330	A three-dimensional element-free framework for coupled mechanical-diffusion induced nonlinear deformation of polymeric gels using the IMLS-Ritz method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 296, 232-247	5.7	7
329	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
328	Buckling of FG-CNT reinforced composite thick skew plates resting on Pasternak foundations based on an element-free approach. <i>Applied Mathematics and Computation</i> , 2015 , 266, 773-791	2.7	55
327	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
326	Analysis of macromolecular microtubules using the potential-based matrix displacement method. <i>Composite Structures</i> , 2015 , 127, 224-230	5.3	8
325	Nonlocal continuum model for vibration of single-layered graphene sheets based on the element-free kp-Ritz method. <i>Engineering Analysis With Boundary Elements</i> , 2015 , 56, 90-97	2.6	44
324	Vibration analysis of CNT-reinforced functionally graded rotating cylindrical panels using the element-free kp-Ritz method. <i>Composites Part B: Engineering</i> , 2015 , 77, 291-303	10	53
323	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
322	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
321	An element-free IMLS-Ritz method for numerical solution of three-dimensional wave equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015 , 297, 116-139	5.7	51

320	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
319	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
318	Mechanical properties and characteristics of microtubules: A review. <i>Composite Structures</i> , 2015 , 123, 98-108	5.3	25
317	Numerical solution of nonlinear Klein-Gordon equation using the element-free kp-Ritz method. <i>Applied Mathematical Modelling</i> , 2015 , 39, 2917-2928	4.5	7
316	Vibration characteristic of moderately thick functionally graded carbon nanotube reinforced composite skew plates. <i>Composite Structures</i> , 2015 , 122, 172-183	5.3	136
315	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
314	Mechanical analysis of functionally graded carbon nanotube reinforced composites: A review. <i>Composite Structures</i> , 2015 , 120, 90-97	5.3	464
313	An accurate improved complex variable element-free method for numerical solutions of elastodynamic problems. <i>Engineering Analysis With Boundary Elements</i> , 2015 , 50, 304-312	2.6	8
312	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
311	Effects of sample width and inclined angle on flame spread across expanded polystyrene surface in plateau and plain environments. <i>Journal of Thermoplastic Composite Materials</i> , 2015 , 28, 111-127	1.9	34
310	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
309	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
308	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
307	On the study of elastic properties of CNT-reinforced composites based on element-free MLS method with nanoscale cylindrical representative volume element. <i>Composite Structures</i> , 2015 , 124, 1-9	5.3	32
306	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
305	Free vibration analysis of sandwich cylindrical panel with functionally graded core using three-dimensional theory of elasticity. <i>Composite Structures</i> , 2014 , 113, 23-30	5.3	58
304	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
303	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

302	Predicting mechanical properties of carbon nanosprings based on molecular mechanics simulation. <i>Composite Structures</i> , 2014 , 114, 41-50	5.3	14
301	Numerical analysis of generalized regularized long wave equation using the element-free kp-Ritz method. <i>Applied Mathematics and Computation</i> , 2014 , 240, 91-101	2.7	29
300	An element-free based solution for nonlinear Schrödinger equations using the ICVMLS-Ritz method. <i>Applied Mathematics and Computation</i> , 2014 , 249, 333-345	2.7	30
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2	ELEMENT-FREE MULTISCALE MODELING OF LARGE DEFORMATION BEHAVIOR OF RED BLOOD CELL MEMBRANE WITH MALARIA INFECTION		2
1	Does temperature change worsen or mitigate the effect of malaria infection on erythrocyte deformability?		1