

Bo Liu

List of Publications by Year in descending order

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29
papers

1,016
citations

394421

19
h-index

526287

27
g-index

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all docs

29
docs citations

29
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	High accuracy differential quadrature finite element method and its application to free vibrations of thin plate with curvilinear domain. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 80, 1718-1742.	2.8	124
2	Analysis of functionally graded sandwich and laminated shells using a layerwise theory and a differential quadrature finite element method. <i>Composite Structures</i> , 2016, 136, 546-553.	5.8	105
3	A DIFFERENTIAL QUADRATURE FINITE ELEMENT METHOD. <i>International Journal of Applied Mechanics</i> , 2010, 02, 207-227.	2.2	79
4	New exact solutions for free vibrations of rectangular thin plates by symplectic dual method. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 265-270.	3.4	66
5	Free vibration analysis of variable stiffness composite laminated beams and plates by novel hierarchical differential quadrature finite elements. <i>Composite Structures</i> , 2021, 274, 114364.	5.8	57
6	Analysis of composite plates using a layerwise theory and a differential quadrature finite element method. <i>Composite Structures</i> , 2016, 156, 393-398.	5.8	54
7	Closed form solutions for free vibrations of rectangular Mindlin plates. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 689-698.	3.4	46
8	Analysis of viscoelastic sandwich laminates using a unified formulation and a differential quadrature hierarchical finite element method. <i>Composites Part B: Engineering</i> , 2017, 110, 185-192.	12.0	45
9	Analysis of isotropic and composite laminated plates and shells using a differential quadrature hierarchical finite element method. <i>Composite Structures</i> , 2018, 205, 11-25.	5.8	43
10	Exact solutions for free vibrations of orthotropic rectangular Mindlin plates. <i>Composite Structures</i> , 2011, 93, 1664-1672.	5.8	38
11	Thickness-shear vibration analysis of circular quartz crystal plates by a differential quadrature hierarchical finite element method. <i>Composite Structures</i> , 2015, 131, 1073-1080.	5.8	33
12	Comprehensive exact solutions for free in-plane vibrations of orthotropic rectangular plates. <i>European Journal of Mechanics, A/Solids</i> , 2011, 30, 383-395.	3.7	32
13	A differential quadrature hierarchical finite element method and its applications to vibration and bending of Mindlin plates with curvilinear domains. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 109, 174-197.	2.8	32
14	Characteristic equations and closed-form solutions for free vibrations of rectangular mindlin plates. <i>Acta Mechanica Solida Sinica</i> , 2009, 22, 125-136.	1.9	31
15	Free vibration of functionally graded sandwich shallow shells in thermal environments by a differential quadrature hierarchical finite element method. <i>Composite Structures</i> , 2019, 225, 111173.	5.8	30
16	In-plane vibration analysis of plates in curvilinear domains by a differential quadrature hierarchical finite element method. <i>Meccanica</i> , 2017, 52, 1017-1033.	2.0	28
17	Exact solutions for free in-plane vibrations of rectangular plates. <i>Acta Mechanica Solida Sinica</i> , 2011, 24, 556-567.	1.9	26
18	Non-uniform rational Lagrange functions and its applications to isogeometric analysis of in-plane and flexural vibration of thin plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 321, 173-208.	6.6	23

#	ARTICLE	IF	CITATIONS
19	Static and dynamic analyses of laminated plates using a layerwise theory and a radial basis function finite element method. <i>Composite Structures</i> , 2017, 170, 158-168.	5.8	19
20	The overall assessment of closed-form solution methods for free vibrations of rectangular thin plates. <i>International Journal of Mechanical Sciences</i> , 2018, 140, 455-470.	6.7	18
21	A differential quadrature hierarchical finite element method using Fekete points for triangles and tetrahedrons and its applications to structural vibration. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 349, 798-838.	6.6	18
22	Three-dimensional thermo-mechanical solutions of cross-ply laminated plates and shells by a differential quadrature hierarchical finite element method. <i>Composite Structures</i> , 2019, 208, 711-724.	5.8	18
23	Micro/macro-mechanical analysis of the interface of composite structures by a differential quadrature hierarchical finite element method. <i>Composite Structures</i> , 2016, 154, 39-48.	5.8	14
24	Three-dimensional free vibration analyses of functionally graded laminated shells under thermal environment by a hierarchical quadrature element method. <i>Composite Structures</i> , 2020, 252, 112733.	5.8	10
25	Three dimensional micro/macro-mechanical analysis of the interfaces of composites by a differential quadrature hierarchical finite element method. <i>Composite Structures</i> , 2017, 176, 654-663.	5.8	9
26	Hierarchical p -version C^1 finite elements on quadrilateral and triangular domains with curved boundaries and their applications to Kirchhoff plates. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 119, 177-207.	2.8	9
27	Thickness-shear vibration analysis of rectangular quartz plates by a differential quadrature finite element method. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	5
28	Approximate frequencies of rectangular quartz plates vibrating at thickness-shear modes with free edges. , 2012, , .		4
29	Curved p -version C^1 finite elements for the finite deformation analysis of isotropic and composite laminated thin shells in irregular shape. <i>Composite Structures</i> , 2021, 259, 113459.	5.8	0