

List of Publications by Citations

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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.

156
papers

2,188
citations

25
h-index

36
g-index

163
ext. papers

2,449
ext. citations

3.4
avg, IF

5.45
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 156 | Stability and bifurcation of an axially moving beam tuned to three-to-one internal resonances. <i>Journal of Sound and Vibration</i> , 2011 , 330, 471-485 | 3.9 | 95 |
| 155 | Dynamic internal crack problem of a functionally graded magneto-electro-elastic strip. <i>International Journal of Solids and Structures</i> , 2006 , 43, 5196-5216 | 3.1 | 90 |
| 154 | Seismic behaviour of slender reinforced concrete shear walls under high axial load ratio. <i>Engineering Structures</i> , 2007 , 29, 1957-1965 | 4.7 | 72 |
| 153 | Simplified inverse dynamics models for MR fluid dampers. <i>Engineering Structures</i> , 2006 , 28, 327-341 | 4.7 | 60 |
| 152 | Experimental and numerical studies of external steel plate strengthened reinforced concrete coupling beams. <i>Engineering Structures</i> , 2005 , 27, 1537-1550 | 4.7 | 59 |
| 151 | Mode I crack problems by fractal two level finite element methods. <i>Engineering Fracture Mechanics</i> , 1994 , 48, 847-856 | 4.2 | 50 |
| 150 | Nonlinear vibration of a curved beam under uniform base harmonic excitation with quadratic and cubic nonlinearities. <i>Journal of Sound and Vibration</i> , 2011 , 330, 5151-5164 | 3.9 | 49 |
| 149 | Mixed-mode two-dimensional crack problem by fractal two level finite element method. <i>Engineering Fracture Mechanics</i> , 1995 , 51, 889-895 | 4.2 | 43 |
| 148 | Tension softening curves of plain concrete. <i>Construction and Building Materials</i> , 2013 , 44, 440-451 | 6.7 | 42 |
| 147 | Numerical solutions of two-dimensional anisotropic crack problems. <i>International Journal of Solids and Structures</i> , 2003 , 40, 4615-4635 | 3.1 | 42 |
| 146 | Experimental Study on Embedded Steel Plate Composite Coupling Beams. <i>Journal of Structural Engineering</i> , 2005 , 131, 1294-1302 | 3 | 40 |
| 145 | Effects of axial load on seismic performance of reinforced concrete walls with short shear span. <i>Engineering Structures</i> , 2017 , 151, 312-326 | 4.7 | 38 |
| 144 | Seismic behavior of steel reinforced ECC columns under constant axial loading and reversed cyclic lateral loading. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017 , 50, 1 | 3.4 | 36 |
| 143 | Effects of bolt-plate arrangements on steel plate strengthened reinforced concrete beams. <i>Engineering Structures</i> , 2010 , 32, 1769-1778 | 4.7 | 34 |
| 142 | A double-cylinder model incorporating confinement effects for the analysis of corrosion-caused cover cracking in reinforced concrete structures. <i>Corrosion Science</i> , 2015 , 99, 205-218 | 6.8 | 33 |
| 141 | Transient response of interface cracks between dissimilar magneto-electro-elastic strips under out-of-plane mechanical and in-plane magneto-electrical impact loads. <i>Composite Structures</i> , 2007 , 78, 119-128 | 5.3 | 32 |
| 140 | Determination of coefficients of the crack tip asymptotic field by fractal hybrid finite elements. <i>Engineering Fracture Mechanics</i> , 2007 , 74, 1649-1664 | 4.2 | 29 |

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| 139 | Seismic behavior of preloaded rectangular RC columns strengthened with precambered steel plates under high axial load ratios. <i>Engineering Structures</i> , 2017 , 152, 683-697 | 4.7 | 28 |
| 138 | Experimental Study of Moderately Reinforced Concrete Beams Strengthened with Bolted-Side Steel Plates. <i>Advances in Structural Engineering</i> , 2013 , 16, 499-516 | 1.9 | 28 |
| 137 | Experimental study of plate-reinforced composite deep coupling beams. <i>Structural Design of Tall and Special Buildings</i> , 2009 , 18, 235-257 | 1.8 | 28 |
| 136 | The effect of modal energy transfer on the sound radiation and vibration of a curved panel: Theory and experiment. <i>Journal of Sound and Vibration</i> , 2009 , 324, 1003-1015 | 3.9 | 28 |
| 135 | Influence of non-structural components on lateral stiffness of tall buildings. <i>Structural Design of Tall and Special Buildings</i> , 2005 , 14, 143-164 | 1.8 | 28 |
| 134 | Rapid assessment of seismic demand in existing building structures. <i>Structural Design of Tall and Special Buildings</i> , 2009 , 18, 427-439 | 1.8 | 27 |
| 133 | Effects of plastic hinges on partial interaction behaviour of bolted side-plated beams. <i>Journal of Constructional Steel Research</i> , 2010 , 66, 622-633 | 3.8 | 27 |
| 132 | An electrically impermeable and magnetically permeable interface crack with a contact zone in magnetoelastic bimaterials under a thermal flux and magnetoelctromechanical loads. <i>International Journal of Solids and Structures</i> , 2012 , 49, 3472-3483 | 3.1 | 26 |
| 131 | A numerical study of singular stress field of 3D cracks. <i>Finite Elements in Analysis and Design</i> , 1995 , 18, 389-401 | 2.2 | 25 |
| 130 | Optimization of partial interaction in bolted side-plated reinforced concrete beams. <i>Computers and Structures</i> , 2014 , 131, 70-80 | 4.5 | 23 |
| 129 | Determination of the tension softening curve of nuclear graphites using the incremental displacement collocation method. <i>Carbon</i> , 2013 , 57, 65-78 | 10.4 | 23 |
| 128 | Fracture analysis of a penny-shaped magnetically dielectric crack in a magnetoelastic material. <i>International Journal of Fracture</i> , 2007 , 146, 125-138 | 2.3 | 23 |
| 127 | Accurate determination of mode I and II leading coefficients of the Williams expansion by finite element analysis. <i>Finite Elements in Analysis and Design</i> , 2005 , 41, 1175-1186 | 2.2 | 23 |
| 126 | Fracture behavior of nuclear graphite under three-point bending tests. <i>Engineering Fracture Mechanics</i> , 2017 , 186, 143-157 | 4.2 | 22 |
| 125 | Incremental displacement collocation method for the evaluation of tension softening curve of mortar. <i>Engineering Fracture Mechanics</i> , 2012 , 88, 49-62 | 4.2 | 21 |
| 124 | Axial strengthening of preloaded rectangular concrete columns by precambered steel plates. <i>Engineering Structures</i> , 2012 , 38, 42-52 | 4.7 | 21 |
| 123 | Strength and Ductility of Embedded Steel Composite Coupling Beams. <i>Advances in Structural Engineering</i> , 2003 , 6, 23-35 | 1.9 | 21 |
| 122 | Shear transfer in bolted side-plated reinforced concrete beams. <i>Engineering Structures</i> , 2013 , 56, 1372-1383 | 1.9 | 20 |

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|-----|---|-----|----|
| 121 | A design spectrum model for flexible soil sites in regions of low-to-moderate seismicity. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 92, 36-45 | 3.5 | 20 |
| 120 | Nonlinear response of bolt groups under in-plane loading. <i>Engineering Structures</i> , 2007 , 29, 626-634 | 4.7 | 20 |
| 119 | Fractal two-level finite element method for cracked kirchhoff's plates using dkt elements. <i>Engineering Fracture Mechanics</i> , 1996 , 54, 703-711 | 4.2 | 20 |
| 118 | Precise HsuB method for analyzing the stability of periodic solutions of multi-degrees-of-freedom systems with cubic nonlinearity. <i>Computers and Structures</i> , 2009 , 87, 1624-1630 | 4.5 | 19 |
| 117 | Scattering of SH waves by an arc-shaped interface crack between a cylindrical magneto-electro-elastic inclusion and matrix with the symmetry of 6 mm. <i>Acta Mechanica</i> , 2006 , 183, 81-102 | 2.1 | 19 |
| 116 | Two-Level Finite Element Study of Axisymmetric Cracks. <i>International Journal of Fracture</i> , 1998 , 89, 193-203 | 3.3 | 18 |
| 115 | Torsional impact response of a cylindrical interface crack between a functionally graded interlayer and a homogeneous cylinder. <i>Composite Structures</i> , 2005 , 68, 203-209 | 5.3 | 18 |
| 114 | A brief note on elastic T-stress for centred crack in anisotropic plate. <i>International Journal of Fracture</i> , 2005 , 131, 53-58 | 2.3 | 17 |
| 113 | Concrete cover delamination model for non-uniform corrosion of reinforcements. <i>Construction and Building Materials</i> , 2019 , 223, 329-340 | 6.7 | 16 |
| 112 | Longitudinal Partial Interaction in Bolted Side-Plated Reinforced Concrete Beams. <i>Advances in Structural Engineering</i> , 2014 , 17, 921-936 | 1.9 | 16 |
| 111 | The jump phenomenon effect on the sound absorption of a nonlinear panel absorber and sound transmission loss of a nonlinear panel backed by a cavity. <i>Nonlinear Dynamics</i> , 2012 , 69, 99-116 | 5 | 16 |
| 110 | Fracture behavior of a bonded magneto-electro-elastic rectangular plate with an interface crack. <i>Archive of Applied Mechanics</i> , 2008 , 78, 343-362 | 2.2 | 16 |
| 109 | Fracture analysis of an electrically conductive interface crack with a contact zone in a magneto-electro-elastic bimaterial system. <i>International Journal of Solids and Structures</i> , 2015 , 53, 48-57 | 3.1 | 15 |
| 108 | Fracture Analysis of Bounded Magneto-electro-elastic Layers with Interfacial Cracks under Magneto-electromechanical Loads: Plane Problem. <i>Journal of Intelligent Material Systems and Structures</i> , 2010 , 21, 581-594 | 2.3 | 15 |
| 107 | Effects of shear connectors on plate-reinforced composite coupling beams of short and medium-length spans. <i>Journal of Constructional Steel Research</i> , 2006 , 62, 178-188 | 3.8 | 15 |
| 106 | Assessment of low-rise building with transfer beam under seismic forces. <i>Engineering Structures</i> , 2003 , 25, 1537-1549 | 4.7 | 15 |
| 105 | Fractal two-level finite element analysis of cracked Reissner's plate. <i>Thin-Walled Structures</i> , 1996 , 24, 315-334 | 4.7 | 15 |
| 104 | Body-force linear elastic stress intensity factor calculation using fractal two level finite element method. <i>Engineering Fracture Mechanics</i> , 1995 , 51, 879-888 | 4.2 | 15 |

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| 103 | An electrically impermeable and magnetically permeable interface crack with a contact zone in a magnetoelastic bimaterial under uniform magnetoelastomechanical loads. <i>European Journal of Mechanics, A/Solids</i> , 2012 , 32, 41-51 | 3.7 | 14 |
| 102 | Load-deformation prediction for eccentrically loaded bolt groups by a kinematic hardening approach. <i>Journal of Constructional Steel Research</i> , 2009 , 65, 436-442 | 3.8 | 14 |
| 101 | Mixed mode cracks in Reissner plates. <i>International Journal of Fracture</i> , 2001 , 107, 235-257 | 2.3 | 14 |
| 100 | Normalised rotation capacity for deformability evaluation of high-performance concrete beams. <i>Earthquake and Structures</i> , 2010 , 1, 269-287 | | 14 |
| 99 | Behavior of strengthened reinforced concrete coupling beams by bolted steel plates, Part 2: Evaluation of theoretical strength. <i>Structural Engineering and Mechanics</i> , 2010 , 34, 563-580 | | 14 |
| 98 | Crack tip enrichment functions for extended finite element analysis of two-dimensional interface cracks in anisotropic magnetoelastic bimaterials. <i>Engineering Fracture Mechanics</i> , 2016 , 161, 21-39 | 4.2 | 14 |
| 97 | Behaviour of partially prestressed beams with external tendons. <i>Magazine of Concrete Research</i> , 2008 , 60, 455-467 | 2 | 13 |
| 96 | Numerical solution of cracked thin plates subjected to bending, twisting and shear loads. <i>International Journal of Fracture</i> , 2002 , 117, 323-335 | 2.3 | 13 |
| 95 | Seismic assessment of transfer plate high rise buildings. <i>Structural Engineering and Mechanics</i> , 2002 , 14, 287-306 | | 13 |
| 94 | A displacement-based inverse analysis method to estimate in-situ Young's modulus of steel rust in reinforced concrete. <i>Engineering Fracture Mechanics</i> , 2018 , 192, 114-128 | 4.2 | 12 |
| 93 | Retrofit of Deep Concrete Coupling Beams by a Laterally Restrained Side Plate. <i>Journal of Structural Engineering</i> , 2011 , 137, 503-512 | 3 | 12 |
| 92 | A unified design approach for plate-reinforced composite coupling beams. <i>Journal of Constructional Steel Research</i> , 2009 , 65, 675-686 | 3.8 | 12 |
| 91 | Simplified seismic assessment of buildings using non-uniform Timoshenko beam model in low-to-moderate seismicity regions. <i>Engineering Structures</i> , 2016 , 120, 116-132 | 4.7 | 12 |
| 90 | Pre-fracture zone model on electrically impermeable and magnetically permeable interface crack between two dissimilar magnetoelastic materials. <i>Engineering Fracture Mechanics</i> , 2013 , 102, 310-323 | 4.2 | 11 |
| 89 | Experimental Investigation of Preloaded RC Columns Strengthened with Precambered Steel Plates under Eccentric Compression Loading. <i>Advances in Structural Engineering</i> , 2012 , 15, 1253-1264 | 1.9 | 11 |
| 88 | Eigenfunction expansion for penny-shaped and circumferential cracks. <i>International Journal of Fracture</i> , 1998 , 89, 205-222 | 2.3 | 11 |
| 87 | Three-dimensional mixed mode analysis of a cracked body by fractal finite element method. <i>International Journal of Fracture</i> , 2001 , 110, 1-20 | 2.3 | 11 |
| 86 | Fractal Two-Level Finite-Element Method for Two-Dimensional Cracks. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1996 , 11, 249-257 | 8.4 | 11 |

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|----|--|-----|----|
| 85 | Assessment of vibrations induced in factories by automated guided vehicles. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2013 , 166, 182-196 | 0.9 | 10 |
| 84 | The extended finite element method with new crack-tip enrichment functions for an interface crack between two dissimilar piezoelectric materials. <i>International Journal for Numerical Methods in Engineering</i> , 2015 , 103, 94-113 | 2.4 | 10 |
| 83 | Earthquake-induced shear concentration in shear walls above transfer structures. <i>Structural Design of Tall and Special Buildings</i> , 2009 , 18, 657-671 | 1.8 | 10 |
| 82 | Analytical solution for mode I crack orthogonal to free surface. <i>International Journal of Fracture</i> , 1996 , 76, 79-95 | 2.3 | 10 |
| 81 | Analysis of side-plated reinforced concrete beams with partial interaction. <i>Computers and Concrete</i> , 2011 , 8, 71-96 | | 10 |
| 80 | Seismic behavior of strengthened reinforced concrete coupling beams by bolted steel plates, Part 1: Experimental study. <i>Structural Engineering and Mechanics</i> , 2007 , 27, 149-172 | | 10 |
| 79 | Corrosion rate measurement by using polarization resistance method for microcell and macrocell corrosion: Theoretical analysis and experimental work with simulated concrete pore solution. <i>Construction and Building Materials</i> , 2021 , 267, 121003 | 6.7 | 10 |
| 78 | A novel elastic-body-rotation model for concrete cover spalling caused by non-uniform corrosion of reinforcement. <i>Construction and Building Materials</i> , 2019 , 213, 549-560 | 6.7 | 9 |
| 77 | Fracture assessment of an interface crack between two dissimilar magnetoelastic materials under heat flow and magnetoelctromechanical loadings. <i>Acta Mechanica Solida Sinica</i> , 2011 , 24, 429-438 | | 9 |
| 76 | Numerical Investigation of the Bilinear Softening Law in the Cohesive Crack Model for Normal-Strength and High-Strength Concrete. <i>Advances in Structural Engineering</i> , 2012 , 15, 373-387 | 1.9 | 9 |
| 75 | A Survey on Axial Load Ratios of Structural Walls in Medium-rise Residential Buildings in Hong Kong. <i>HKIE Transactions</i> , 2007 , 14, 40-46 | 2.9 | 9 |
| 74 | Parametric quadratic programming method for elastic contact fracture analysis. <i>International Journal of Fracture</i> , 2002 , 117, 143-157 | 2.3 | 9 |
| 73 | Fractal Two-Level Finite Element Method For Free Vibration of Cracked Beams. <i>Shock and Vibration</i> , 1998 , 5, 61-68 | 1.1 | 9 |
| 72 | A Wasserstein distance-based analogous method to predict distribution of non-uniform corrosion on reinforcements in concrete. <i>Construction and Building Materials</i> , 2019 , 226, 965-975 | 6.7 | 8 |
| 71 | Development of seismic fragility curves for low-rise masonry infilled reinforced concrete buildings by a coefficient-based method. <i>Earthquake Engineering and Engineering Vibration</i> , 2013 , 12, 319-332 | 2 | 8 |
| 70 | Flexural Strength and Deformability Design of Reinforced Concrete Beams. <i>Procedia Engineering</i> , 2011 , 14, 1399-1407 | | 8 |
| 69 | Plate-strengthened deep reinforced concrete coupling beams. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2011 , 164, 27-42 | 0.9 | 8 |
| 68 | Use of bolted steel plates for strengthening of reinforced concrete beams and columns. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2011 , 4, 55-68 | | 8 |

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|----|--|--------|
| 67 | Design criteria for unified strut and tie models. <i>Structural Control and Health Monitoring</i> , 2001 , 3, 288-298 | 8 |
| 66 | Concrete cover tensile capacity of corroded reinforced concrete. <i>Construction and Building Materials</i> , 2017 , 136, 57-64 | 6.7 7 |
| 65 | Characterization on tensile behaviors of fracture process zone of nuclear graphite using a hybrid numerical and experimental approach. <i>Carbon</i> , 2019 , 155, 531-544 | 10.4 7 |
| 64 | Singularity of subsonic and transonic crack propagations along interfaces of magnetoelastoelectric bimetals. <i>International Journal of Engineering Science</i> , 2018 , 129, 21-33 | 5.7 7 |
| 63 | Fragility analysis of low-rise masonry in-filled reinforced concrete buildings by a coefficient-based spectral acceleration method. <i>Earthquake Engineering and Structural Dynamics</i> , 2012 , 41, 697-713 | 4 7 |
| 62 | Moving crack with a contact zone at interface of magnetoelastoelectric bimaterial. <i>Engineering Fracture Mechanics</i> , 2017 , 181, 143-160 | 4.2 7 |
| 61 | Evaluation of local and global ductility relationships for seismic assessment of regular masonry-infilled reinforced concrete frames using a coefficient-based method. <i>Earthquake and Structures</i> , 2013 , 5, 1-22 | 7 |
| 60 | Cursory seismic drift assessment for buildings in moderate seismicity regions. <i>Earthquake Engineering and Engineering Vibration</i> , 2007 , 6, 85-97 | 2 7 |
| 59 | Behaviour of embedded steel plate in composite coupling beams. <i>Journal of Constructional Steel Research</i> , 2008 , 64, 1112-1128 | 3.8 7 |
| 58 | Order of the singular stress fields of through-thickness cracks. <i>International Journal of Fracture</i> , 1996 , 75, 85-93 | 2.3 7 |
| 57 | An investigation of fracture properties and size effects of concrete using the ESPI technique. <i>Magazine of Concrete Research</i> , 2020 , 72, 888-899 | 2 7 |
| 56 | Integral identities based on symmetric and skew-symmetric weight functions for a semi-infinite interfacial crack in anisotropic magnetoelastoelectric bimetals. <i>International Journal of Solids and Structures</i> , 2016 , 88-89, 178-191 | 3.1 6 |
| 55 | A study on AGV-induced floor micro-vibration in TFT-LCD high-technology fabs. <i>Structural Control and Health Monitoring</i> , 2012 , 19, 451-471 | 4.5 6 |
| 54 | Behaviour of plate anchorage in plate-reinforced composite coupling beams. <i>Scientific World Journal, The</i> , 2013 , 2013, 190430 | 2.2 6 |
| 53 | Dynamic Testing and Modelling of Existing Buildings in Hong Kong. <i>HKIE Transactions</i> , 2003 , 10, 17-25 | 2.9 6 |
| 52 | Corner cracking model for non-uniform corrosion-caused deterioration of concrete covers. <i>Construction and Building Materials</i> , 2020 , 234, 117410 | 6.7 6 |
| 51 | A new extended pre-fracture zone model for a limited permeable crack in an interlayer between magnetoelastoelectric materials. <i>Acta Mechanica</i> , 2015 , 226, 1045-1065 | 2.1 5 |
| 50 | Numerical Studies of Deep Concrete Coupling Beams Retrofitted with a Laterally Restrained Steel Plate. <i>Advances in Structural Engineering</i> , 2011 , 14, 903-915 | 1.9 5 |

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| 49 | The Effect of Coarse Aggregate Size on the Stress-strain Curves of Concrete under Uniaxial Compression. <i>HKIE Transactions</i> , 2008 , 15, 33-39 | 2.9 | 5 |
| 48 | The fractal finite element method for unbounded problems. <i>International Journal for Numerical Methods in Engineering</i> , 2004 , 61, 990-1008 | 2.4 | 5 |
| 47 | Framework to optimise two-dimensional DIC measurements at different orders of accuracy for concrete structures. <i>Structures</i> , 2020 , 28, 93-105 | 3.4 | 5 |
| 46 | Finite beam element with 26 DOFs for curved composite box girders considering constrained torsion, distortion, shear lag and biaxial slip. <i>Engineering Structures</i> , 2021 , 232, 111797 | 4.7 | 5 |
| 45 | Strengthening of preloaded RC beams using prestressed carbon textile reinforced mortar plates. <i>Structures</i> , 2021 , 30, 735-744 | 3.4 | 5 |
| 44 | In-situ deformation modulus of rust in concrete under different levels of confinement and rates of corrosion. <i>Construction and Building Materials</i> , 2020 , 255, 119369 | 6.7 | 4 |
| 43 | Flexural capacity model for RC beams strengthened with bolted side-plates incorporating both partial longitudinal and transverse interactions. <i>Engineering Structures</i> , 2018 , 168, 44-57 | 4.7 | 4 |
| 42 | Nonlinear Analysis of Forced Responses of an Axially Moving Beam by Incremental Harmonic Balance Method. <i>Mechanics of Advanced Materials and Structures</i> , 2011 , 18, 611-616 | 1.8 | 4 |
| 41 | AGV-induced floor micro-vibration assessment in LCD factories by using a regressional modified Kanai-Tajimi moving force model. <i>Structural Engineering and Mechanics</i> , 2013 , 45, 543-568 | | 4 |
| 40 | Improved uncoupled closed-form solution for adhesive stresses in plated beams based on Timoshenko beam theory. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 96, 102472 | 3.4 | 4 |
| 39 | Gravity-induced shear force in reinforced concrete walls above transfer structures. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2015 , 168, 40-55 | 0.9 | 3 |
| 38 | Effect of high rebar temperature during casting on corrosion in carbonated concrete. <i>Construction and Building Materials</i> , 2020 , 249, 118718 | 6.7 | 3 |
| 37 | Experimental investigation of the process of corrosion-caused cover cracking. <i>Construction and Building Materials</i> , 2020 , 253, 119166 | 6.7 | 3 |
| 36 | Rare earthquake response spectra for typical site conditions in Hong Kong. <i>HKIE Transactions</i> , 2015 , 22, 179-191 | 2.9 | 3 |
| 35 | Dynamic Response of Multiple Coplanar Interface Cracks between Two Dissimilar Piezoelectric Materials. <i>Key Engineering Materials</i> , 2004 , 261-263, 477-482 | 0.4 | 3 |
| 34 | Simplified seismic axial collapse capacity prediction model for moderately compressed reinforced concrete shear walls adjacent to transfer structure in tall buildings. <i>Structural Design of Tall and Special Buildings</i> , 2020 , 29, e1752 | 1.8 | 2 |
| 33 | Fracture Toughness of Plain Concrete Made of Crushed Granite Aggregate. <i>HKIE Transactions</i> , 2011 , 18, 6-12 | 2.9 | 2 |
| 32 | The fractal finite element method for added-mass-type problems. <i>International Journal for Numerical Methods in Engineering</i> , 2008 , 75, 1194-1213 | 2.4 | 2 |

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| 31 | Design of Non-flexural Components Using Strut and Tie Models. <i>HKIE Transactions</i> , 2003 , 10, 31-37 | 2.9 | 2 |
| 30 | A unified design procedure for preloaded rectangular RC columns strengthened with post-compressed plates. <i>Advances in Concrete Construction</i> , 2013 , 1, 163-185 | | 2 |
| 29 | Strengthening Design of RC Columns with Direct Fastening Steel Jackets. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3649 | 2.6 | 2 |
| 28 | Energy dissipation during fracturing process of nuclear graphite based on cohesive crack model. <i>Engineering Fracture Mechanics</i> , 2021 , 242, 107426 | 4.2 | 2 |
| 27 | Study on Fracture Properties of Mortar Based on Electronic Speckle Pattern Interferometry. <i>Materials Science Forum</i> , 2017 , 893, 405-409 | 0.4 | 1 |
| 26 | Detection of Crack Evolution in Plain Concrete by Electronic Speckle Pattern Interferometry. <i>Key Engineering Materials</i> , 2017 , 744, 92-96 | 0.4 | 1 |
| 25 | A unified shear stress limit for reinforced concrete beam design. <i>HKIE Transactions</i> , 2015 , 22, 223-234 | 2.9 | 1 |
| 24 | Inclined crack through a rhombic thin superconducting strip with transport current. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2015 , 49, 435-442 | 0.4 | 1 |
| 23 | Provision of Reinforcement in Concrete Solids Using the Generalized Genetic Algorithm. <i>Journal of Computing in Civil Engineering</i> , 2011 , 25, 211-217 | 5 | 1 |
| 22 | APPLICATION OF STRUT-AND-TIE METHOD ON OUTRIGGER BRACED CORE WALL BUILDINGS 2005 , | | 1 |
| 21 | Dynamic Soil Properties of Hong Kong Reclamation Sites for Seismic Applications. <i>HKIE Transactions</i> , 2000 , 7, 13-27 | 2.9 | 1 |
| 20 | Evaluation of T-stress for cracks in elastic sheets. <i>Structural Engineering and Mechanics</i> , 2005 , 20, 335-346 | | 1 |
| 19 | Seismic spectral acceleration assessment of masonry in-filled reinforced concrete buildings by a coefficient-based method. <i>Structural Engineering and Mechanics</i> , 2012 , 41, 479-494 | | 1 |
| 18 | Experimental investigation of process of corrosion-induced cover delamination using digital image correlation. <i>Construction and Building Materials</i> , 2021 , 312, 125287 | 6.7 | 1 |
| 17 | Determination of crack tip asymptotic stress field by fractal finite element method 2003 , 662-665 | | 1 |
| 16 | Propagation of conductive crack along interface of piezoelectric/piezomagnetic bimetals. <i>Acta Mechanica</i> , 2021 , 232, 2781 | 2.1 | 1 |
| 15 | Seismic axial collapse of short shear span RC shear walls above transfer structure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 431, 122005 | 0.4 | 1 |
| 14 | Quantification of the actual expansion and deposition of rust in reinforced concrete. <i>Construction and Building Materials</i> , 2021 , 297, 123760 | 6.7 | 1 |

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| 13 | Influence of rebar geometry on the steel-concrete interface of reinforced concrete. <i>Construction and Building Materials</i> , 2021 , 304, 124668 | 6.7 | 1 |
| 12 | Incremental Displacement Collocation Method for the Evaluation of Tension Softening Curves of Quasi-brittle Materials. <i>Procedia Engineering</i> , 2017 , 172, 1059-1066 | | 0 |
| 11 | Fragility analysis of floor micro vibrations induced by internal vehicles in high technology factories. <i>Structures</i> , 2022 , 40, 679-692 | 3.4 | 0 |
| 10 | An analytical approach for design of reinforced concrete shear walls against lateral in-plane shear and comparison with codified methods. <i>HKIE Transactions</i> , 2014 , 21, 50-61 | 2.9 | |
| 9 | Design Procedure for Fire-Exposed Preloaded Rectangular RC Columns Strengthened with Post-Compressed Plates. <i>Advanced Materials Research</i> , 2014 , 1049-1050, 469-473 | 0.5 | |
| 8 | Application of Steel Plates on the Retrofitting of Current Reinforced Concrete Coupling Beams. <i>Advanced Materials Research</i> , 2013 , 721, 714-719 | 0.5 | |
| 7 | Approach for Reinforcement Design in Reinforced Concrete Structures Based on 3-Dimensional Stress Field. <i>HKIE Transactions</i> , 2007 , 14, 9-18 | 2.9 | |
| 6 | Design Charts for a Laterally-Loaded Rock-Socketed Pile in Granular Soil. <i>HKIE Transactions</i> , 1998 , 5, 30-36 | 2.9 | |
| 5 | Lateral overturning process and failure mechanism of curved steel-concrete composite box-girder bridges under specific overloading vehicles. <i>Structures</i> , 2022 , 35, 638-649 | 3.4 | |
| 4 | Fractal Finite Element Method for Singular Problems 2001 , 655-660 | | |
| 3 | Analysis of symmetric and skew-symmetric weight functions for a semi-infinite interfacial crack in transversely isotropic piezoelectric bimetals. <i>International Journal of Fracture</i> , 2016 , 199, 213-227 | 2.3 | |
| 2 | Axial strengthening of RC columns by steel encasement with direct fastening connections. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 660, 012055 | 0.4 | |
| 1 | Improved one-phase model of uniform corrosion for predicting the volume of rust. <i>Magazine of Concrete Research</i> , 2020 , 72, 1081-1088 | 2 | |