

115年度國立臺灣海洋大學彈新期刊論文列表 (110/01~114/12)

工學院/河海工程學系

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總篇數：37

點數：220

總影響係數：108.8

1.未經學術研究機構審核之一般性論文報章社論/電子報等文章一律不予採計

2.各類論文可得點數：

SSCI、AHCI每篇8點、SCI期刊論文：ranking \leq 10% (每篇8點)；10% < ranking \leq 30% (每篇6點)；ranking > 30% (每篇4點)

『國科會公告之「臺灣人文及社會科學期刊評比暨核心期刊收錄」期刊名單』評比結果為第一級期刊 (每篇6點)；第二級期刊 (每篇4點)；第三級期刊 (每篇2點)

※請將申請表印出確認後簽名於 (STEP3 表格檔案列印：表A) · 繳交研發處企劃暨學術合作組 (分機2252)

序號	出版年月	論文名稱	期刊名稱	第一作者	通訊作者	百分比	影響係數(IF)	收錄分類	點數
1	114/12	Hydrodynamic performance of a submerged hydrofoil wave energy converter (SH-WEC) with latching control mechanism	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	否	是	9.56%	4.1	SCI	8
2	114/11	SH-wave scattering problem of an arbitrary shaped hill using the boundary integral quadrature method	JOURNAL OF MECHANICS	否	是	62.57%	1.8	SCI	4
3	114/10	Erratum: Dual boundary element method for solving the two-dimensional Helmholtz equation for the damped wave equation [J. Acoust. Soc. Am. 158(3), 2358–2376 (2025)]	JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA	否	是	20.00%	2.3	SCI	6
4	114/10	Editorial: Novel computational methods for engineering and science	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	否	是	9.56%	4.1	SCI	8
5	114/09	Dual boundary element method for solving the two-dimensional Helmholtz equation for the damped wave equation	JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA	否	是	20.00%	2.3	SCI	6
6	114/04	Application of Self-Detecting Error Technique in the Boundary Element Method for Solving Exterior Acoustic Problems	JOURNAL OF SOUND AND VIBRATION	否	是	9.76%	4.9	SCI	8
7	114/04	Application of defined auxiliary system in the method of layer potentials for solving the Stokes flow problem	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	否	是	9.56%	4.1	SCI	8
8	114/02	Study of support motion of a finite bar with a boundary damper and a spring using analytical approaches and FEM	International Journal of Structural Stability and Dynamics	是	是	25.82%	3.4	SCI	6
9	113/12	Application of boundary integral quadrature method to torsion problems of an isotropic bar containing edge cracks	JOURNAL OF MECHANICS	否	是	62.57%	1.8	SCI	4
10	113/10	Analytical study for numerical instability of steady-state heat conduction problems in exchanger tubes using degenerate kernels in the null-field boundary integral equation method	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	否	是	8.19%	5.8	SCI	8
11	113/06	Boundary integral quadrature method for calculating the conduction shape factor of exchanger tubes containing slits	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	否	是	9.56%	4.1	SCI	8
12	113/06	Revisit of two circular holes in harmonic problems	COMPUTATIONAL & APPLIED MATHEMATICS	是	是	11.34%	2.5	SCI	6
13	112/12	An analytical Green's function for Laplace operator in an infinite plane with two circular holes using degenerate kernels	Applied Mathematics Letters	是	是	8.14%	2.8	SCI	8
14	112/10	Numerical instability and its treatment for steady state heat conduction problems in exchanger tubes using the dual boundary element method	NUMERICAL HEAT TRANSFER PART B-FUNDAMENTALS	否	是	21.05%	3.8	SCI	6
15	112/08	Are the direct and indirect BEM/BIEMs equivalent ?	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	是	是	9.56%	4.1	SCI	8

16	112/06	Steady state heat conduction in exchanger tubes by using the meshfree boundary integral equation method: conduction shape factor and degenerate scale	JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME	否	是	56.59%	1.9	SCI	4
17	112/05	Animation of cycloid and spiral curves in companion with instantaneous center of rotation and radius of curvature	JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS	是	是	56.98%	1.2	SCI	4
18	112/04	Study on the interaction between a screw dislocation and circular holes or rigid inclusions by using the angular basis function in conjunction with bipolar coordinates	MATHEMATICS AND MECHANICS OF SOLIDS	是	是	47.79%	1.7	SCI	4
19	112/03	Dynamic Green's functions for an infinite acoustic field with multiple spheres subjected to the Robin boundary conditions	Journal of Theoretical and Computational Acoustics	否	是	70.59%	1	SCI	4
20	112/02	On the solution arising in two-cylinders electrostatics	Mathematical Biosciences and Engineering	是	是	43.64%	2.6	SCI	4
21	112/01	Analytical solutions for the Laplace problem of an eccentric annular domain	MECHANICS RESEARCH COMMUNICATIONS	是	是	50.29%	2.3	SCI	4
22	111/11	Support motion of a finite bar with a viscously damped boundary	JOURNAL OF MECHANICS	是	是	62.57%	1.8	SCI	4
23	111/10	Analytical solution for potential flow across two cylinders using the BIE in conjunction with degenerate kernels of bipolar coordinates	APPLIED MATHEMATICS LETTERS	是	是	8.14%	2.8	SCI	8
24	111/09	Interaction between a screw dislocation and an elastic elliptical inhomogeneity by using the angular basis function	ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK	是	是	28.49%	1.6	SCI	6
25	111/09	Construction of dynamic Green's function for an infinite acoustic field with multiple prolate spheroids	ACTA MECHANICA	否	是	36.26%	2.9	SCI	4
26	111/07	A systematic approach for potentials on closely packed cells using the null-field boundary integral equation in conjunction with the degenerate kernel and eigenfunction expansion	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	否	是	9.56%	4.1	SCI	8
27	111/06	An indirect BIE free of degenerate scales	Communications on Pure and Applied Analysis	是	是	32.52%	0.9	SCI	4
28	111/05	Interaction between a screw dislocation and an elliptical hole or rigid inclusion by using the angular basis function	ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik	是	是	3.78%	3.2	SCI	8
29	111/04	Support motion of finite bar with an external spring	JOURNAL OF LOW FREQUENCY NOISE VIBRATION AND ACTIVE CONTROL	是	是	34.15%	2.4	SCI	4
30	111/03	Study on the double-degeneracy mechanism of BEM/BIEM for a plane elasticity problem	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	是	是	9.56%	4.1	SCI	8
31	110/12	On the role of singular and hypersingular BIEs for the BVPs containing a degenerate boundary	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS	是	是	9.56%	4.1	SCI	8
32	110/11	Applications of degenerate kernels to potential flow across circular, elliptical cylinders and a thin airfoil	EUROPEAN JOURNAL OF MECHANICS B-FLUIDS	是	是	31.71%	2.5	SCI	4
33	110/06	Construction of a curve by using the state equation of Frenet formula	Journal of Mechanics	是	是	62.57%	1.8	SCI	4
34	110/05	On the path independence and invariant of the J-integral for a slant crack and rigid-line inclusion using degenerate kernels and the dual BEM	Engineering Analysis with Boundary Elements	是	是	9.56%	4.1	SCI	8
35	110/04	Study on the stress intensity factor and the double-degeneracy mechanism in the BEM/BIEM for anti-plane shear problems	THEORETICAL AND APPLIED FRACTURE MECHANICS	是	是	9.36%	5.6	SCI	8

36	110/03	On the linkage between influence matrices in the BIEM and BEM to explain the mechanism of degenerate scale for a circular domain	JOURNAL OF MECHANICS	是	是	62.57%	1.8	SCI	4
37	110/02	On the stress concentration factor of circular/elliptic hole and rigid inclusion under the remote anti-plane shear by using degenerate kernels	ARCHIVE OF APPLIED MECHANICS	是	是	43.27%	2.5	SCI	4