

Jong-Chun Park

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

885
citations

687363

13
h-index

477307

29
g-index

56
all docs

56
docs citations

56
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	Step-by-step improvement of MPS method in simulating violent free-surface motions and impact-loads. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1113-1125.	6.6	209
2	Fully non-linear free-surface simulations by a 3D viscous numerical wave tank. International Journal for Numerical Methods in Fluids, 1999, 29, 685-703.	1.6	113
3	Development of a fully Lagrangian MPS-based coupled method for simulation of fluid-structure interaction problems. Journal of Fluids and Structures, 2014, 50, 497-511.	3.4	86
4	Numerical simulations of sloshing flows with elastic baffles by using a particle-based fluid-structure interaction analysis method. Ocean Engineering, 2016, 118, 227-241.	4.3	81
5	Numerical simulation of impact loads using a particle method. Ocean Engineering, 2010, 37, 164-173.	4.3	43
6	Three-dimensional numerical wave tank simulations on fully nonlinear wave-current-body interactions. Journal of Marine Science and Technology, 2001, 6, 70-82.	2.9	42
7	Numerical prediction of oil amount leaked from a damaged tank using two-dimensional moving particle simulation method. Ocean Engineering, 2013, 69, 70-78.	4.3	40
8	Numerical simulation of wave and current interaction with a fixed offshore substructure. International Journal of Naval Architecture and Ocean Engineering, 2016, 8, 188-197.	2.3	33
9	Development of Moving Particle Simulation Method for Multiliquid-Layer Sloshing. Mathematical Problems in Engineering, 2014, 2014, 1-13.	1.1	26
10	Experimental study on sloshing reduction effects of baffles linked to a spring system. Ocean Engineering, 2018, 170, 136-147.	4.3	25
11	On the Accuracy of Numerical Wave Making Techniques. Journal of the Society of Naval Architects of Japan, 1993, 1993, 35-44.	0.2	21
12	Numerical approach to analyze fluid flow in a type C tank for liquefied hydrogen carrier (part 1:). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	7.1	16
13	Estimation of hydrodynamic coefficients for flow around cylinders in side-by-side arrangement with variation in separation gap. Ocean Engineering, 2009, 36, 672-680.	4.3	15
14	Characteristics, In-Hospital and Long-Term Clinical Outcomes of Nonagenarian Compared with Octogenarian Acute Myocardial Infarction Patients. Journal of Korean Medical Science, 2014, 29, 527.	2.5	11
15	Numerical simulation of resistance performance according to surface roughness in container ships. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 11-19.	2.3	11
16	Cardioprotective Effect of Fimasartan, a New Angiotensin Receptor Blocker, in a Porcine Model of Acute Myocardial Infarction. Journal of Korean Medical Science, 2015, 30, 34.	2.5	10
17	Failure simulation of ice beam using a fully Lagrangian particle method. International Journal of Naval Architecture and Ocean Engineering, 2019, 11, 639-647.	2.3	10
18	Comparative Study of Air Resistance with and without a Superstructure on a Container Ship Using Numerical Simulation. Journal of Marine Science and Engineering, 2020, 8, 267.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Parameter Study of Boiling Model for CFD Simulation of Multiphase-Thermal Flow in a Pipe. Journal of Ocean Engineering and Technology, 2021, 35, 50-58.	1.2	10
20	Influences of Vorticity to Vertical Motion of Two-Dimensional Moonpool under Forced Heave Motion. Mathematical Problems in Engineering, 2014, 2014, 1-13.	1.1	6
21	Effects of sildenafil in combination with angiotensin-converting enzyme inhibitor on limiting infarct expansion in a porcine model of acute myocardial infarction. International Journal of Cardiology, 2011, 146, 459-460.	1.7	5
22	Numerical Simulation of 2-D Solitary Wave Run-Up over Various Slopes Using a Particle-Based Method. Water (Switzerland), 2019, 11, 462.	2.7	5
23	Preliminary study of the floating axis wind turbine. , 2012, , .		4
24	Simulation of Multiliquid-Layer Sloshing With Vessel Motion by Using Moving Particle Semi-Implicit Method. Journal of Offshore Mechanics and Arctic Engineering, 2015, 137, .	1.2	4
25	Structural Safety Assessment of Connection between Sloshing Tank and 6-DOF Platform Using Co-Simulation of Fluid and Multi-Flexible-Body Dynamics. Water (Switzerland), 2020, 12, 2108.	2.7	4
26	CFD Simulation for Estimating Efficiency of PBCF Installed on a 176K Bulk Carrier under Both POW and Self-Propulsion Conditions. Processes, 2021, 9, 1192.	2.8	4
27	Wave overtopping simulations over coastal structures. Journal of Mechanical Science and Technology, 2008, 22, 1222-1229.	1.5	3
28	An Enhanced Fully Lagrangian Coupled MPS-based Solver for Fluid-Structure Interactions. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, 1_883-1_888.	0.4	3
29	Numerical Analysis on Hydrodynamic Forces Acting on Side-by-Side Arranged Two-Dimensional Floating Bodies in Viscous Flows. Journal of the Society of Naval Architects of Korea, 2012, 49, 425-432.	0.5	3
30	Impact of Gender Differences in Elderly Patients with Acute Myocardial Infarction. Korean Journal of Medicine, 2019, 94, 96-106.	0.3	3
31	Development of Particle Simulation Method for Analysis of Fluid-Structure Interaction Problems. Journal of Ocean Engineering and Technology, 2013, 27, 53-58.	1.2	3
32	Two-Dimensional Particle Simulation for Behaviors of Floating Body near Quaywall during Tsunami. Journal of Ocean Engineering and Technology, 2014, 28, 12-19.	1.2	3
33	Computational Study on Rogue Wave and Its Application to a Floating Body. Applied Sciences (Switzerland), 2022, 12, 2853.	2.5	3
34	Development and Experiment of a Hovering AUV Tested-bed for Underwater Exploration. , 2007, , .		2
35	Tidal current simulation around the Straits of Korea and its application to a speed trial. International Journal of Naval Architecture and Ocean Engineering, 2019, 11, 474-481.	2.3	2
36	CFD Simulation on Workability of a Seaweed Harvesting Boat Due to Wake-Wash. Journal of Marine Science and Engineering, 2020, 8, 544.	2.6	2

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37	CFD Simulation on Predicting POW Performance Adopting Laminar-Turbulent Transient Model. Journal of the Society of Naval Architects of Korea, 2021, 58, 1-9.	0.5	2
38	Fully non-linear free-surface simulations by a 3D viscous numerical wave tank. International Journal for Numerical Methods in Fluids, 1999, 29, 685-703.	1.6	2
39	Particle-based Numerical Simulation of Continuous Ice Breaking Process around Wedge-type Model Ship. Journal of the Society of Naval Architects of Korea, 2020, 57, 23-34.	0.5	2
40	Simulation-Based Design of Shear Mixer for Improving Mixing Performance. Journal of the Korean Society for Marine Environment & Energy, 2017, 20, 107-116.	0.2	2
41	Numerical Analysis of a Floating Body With Two-Dimensional Moonpool Including Piston Mode. , 2010, , .		1
42	Conceptual study of tidal stream and ocean current turbine with floating axis configuration. , 2012, , .		1
43	Simulation of hydropower turbine performance in duct for system utilizing tidal jet generator. Journal of Mechanical Science and Technology, 2017, 31, 5871-5877.	1.5	1
44	CFD Simulation of Multiphase Flow by Mud Agitator in Drilling Mud Mixing System. Journal of Ocean Engineering and Technology, 2021, 35, 121-130.	1.2	1
45	Papillary Fibroelastoma of Pulmonary Valve Mimicking Infective Endocarditis. Journal of Cardiovascular Imaging, 2008, 16, 99.	0.8	1
46	CFD Prediction of Wind Loads on FPSO and Shuttle Tankers during Side-by-Side Offloading. Journal of Marine Science and Engineering, 2022, 10, 654.	2.6	1
47	Numerical prediction for oil amount leaked from a damaged tank using two-dimensional Moving Particle Simulation method. , 2012, , .		0
48	CFD simulation of a sailing boat hull in maneuvering condition. , 2012, , .		0
49	Numerical study on mixing performance of agitator in drilling mud handling system using Eulerian and Lagrangian approaches. , 2014, , .		0
50	CFD simulation of added resistance of ships in head sea for estimating energy efficiency design index. , 2014, , .		0
51	Two-dimensional particle-based simulation of tsunami-like wave run-up. , 2016, , .		0
52	2-D moving particle simulation on dynamic motion of a damaged ship with oil leaking in waves. , 2016, , .		0
53	Mitigation Effects of Incident Bore Impact Loads Acting on a Tall Structure by Installation of Obstacles. Journal of Ocean Engineering and Technology, 2013, 27, 93-101.	1.2	0
54	Development of Numerical Solver for the Simulation on Multiphase Flow in a Pipeline of Mud Handling System. Journal of Advanced Engineering and Technology, 2016, 9, 163-170.	0.1	0

#	ARTICLE	IF	CITATIONS
55	Numerical Study on Rayleigh-Taylor Instability Using a Multiphase Moving Particle Simulation Method. Journal of the Korean Society for Marine Environment & Energy, 2017, 20, 37-44.	0.2	0
56	CFD Simulation of Air-particle Flow for Predicting the Collection Efficiency of a Cyclone Separator in Mud Handling System. Journal of Ocean Engineering and Technology, 2019, 33, 42-49.	1.2	0