Hitoshi Gotoh

List of Publications by Year
in descending order

215 papers	5,617 citations	87888 38 h-index	79698 73 g-index
216 all docs	216 docs citations	216 times ranked	1311 citing authors

#	Article	IF	Citations
1	An SPH-based fully-Lagrangian meshfree implicit FSI solver with high-order discretization terms. Engineering Analysis With Boundary Elements, 2022, 137, 160-181.	3.7	16
2	Numerical investigation of sediment transport mechanism under breaking waves by DEM-MPS coupling scheme. Coastal Engineering, 2022, 175, 104146.	4.0	9
3	On systematic development of FSI solvers in the context of particle methods. Journal of Hydrodynamics, 2022, 34, 395-407.	3.2	28
4	Vertical sorting process in oscillating water tank using DEM-MPS coupling model. Coastal Engineering, 2021, 165, 103765.	4.0	14
5	Multi-resolution ISPH-SPH for accurate and efficient simulation of hydroelastic fluid-structure interactions in ocean engineering. Ocean Engineering, 2021, 226, 108652.	4.3	77
6	Development of Wavy Interface model for wave generation by the projection-based particle methods. Coastal Engineering, 2021, 165, 103861.	4.0	14
7	Enhancement of Î´-SPH for ocean engineering applications through incorporation of a background mesh scheme. Applied Ocean Research, 2021, 110, 102508.	4.1	41
8	A coupled incompressible SPH-Hamiltonian SPH solver for hydroelastic FSI corresponding to composite structures. Applied Mathematical Modelling, 2021, 94, 242-271.	4.2	87
9	A 3D Lagrangian meshfree projection-based solver for hydroelastic Fluidâ€"Structureâ€‹ Interactions. Journal of Fluids and Structures, 2021, 105, 103342.	3.4	44
10	Entirely Lagrangian meshfree computational methods for hydroelastic fluid-structure interactions in ocean engineeringâ€"Reliability, adaptivity and generality. Applied Ocean Research, 2021, 115, 102822.	4.1	67
11	Numerical simulation for coastal morphodynamics using DEM-MPS method. Applied Ocean Research, 2021, 117, 102905.	4.1	17
12	Study of beach permeability's influence on solitary wave runup with ISPH method. Applied Ocean Research, 2021, 117, 102957.	4.1	11
13	Numerical investigation of ripple in oscillating water tank by DEM-MPS coupled solidâ€"liquid two-phase flow model. Journal of Hydro-Environment Research, 2020, 32, 26-47.	2.2	7
14	Incompressible SPH simulation of solitary wave propagation on permeable beaches. Journal of Hydrodynamics, 2020, 32, 664-671.	3.2	16
15	An enhanced multiphase ISPH-based method for accurate modeling of oil spill. Coastal Engineering Journal, 2020, 62, 625-646.	1.9	35
16	Multiphase particle method using an elastoplastic solid phase model for the diffusion of dumped sand from a split hopper. Computers and Fluids, 2020, 208, 104639.	2.5	13
17	3D MPS-MPS coupled FSI solver for simulation of hydroelastic fluid-structure interactions in coastal engineering. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2020, 76, I_37-I_42.	0.4	1
18	DEVELOPMENT OF NEW MPS-BASED WAVE GENERATION MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2020, 76, I_7-I_12.	0.4	0

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19	NUMERICAL INVESTIGATION FOR INITIAL DEVELOPING PROCESS OF RIPPLES USING 3D DEM-MPS. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2020, 76, I_475-I_480.	0.4	0
20	AN ENHANCED FULLY-LAGRANGIAN MESHFREE IMPLICIT STRUCTURE MODEL FOR HYDROELASTIC FSI PHENOMENA. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2020, 76, I_31-I_36.	0.4	0
21	3D NUMERICAL SIMULATION ON SUCTION PROCESS OF COBBLESTONE FROM HOLE OF ARMOR BLOCK ON COASTAL LEVEE. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2020, 76, I_871-I_876.	0.4	0
22	Development of PARISPHERE as the particle-based numerical wave flume for coastal engineering problems. Coastal Engineering Journal, 2019, 61, 41-62.	1.9	31
23	Enhancement of pressure calculation in projection-based particle methods by incorporation of background mesh scheme. Applied Ocean Research, 2019, 86, 320-339.	4.1	54
24	Special issue on SPH (Smoothed Particle Hydrodynamics) for Coastal and Ocean Engineering. Coastal Engineering Journal, 2019, 61, 1-1.	1.9	4
25	Numerical simulation for swash morphodynamics by DEM–MPS coupling model. Coastal Engineering Journal, 2019, 61, 2-14.	1.9	36
26	A projection-based particle method with optimized particle shifting for multiphase flows with large density ratios and discontinuous density fields. Computers and Fluids, 2019, 179, 356-371.	2.5	94
27	Multi-resolution MPS for incompressible fluid-elastic structure interactions in ocean engineering. Applied Ocean Research, 2019, 82, 397-414.	4.1	114
28	Numerical simulation for sediment transport using MPS-DEM coupling model. Advances in Water Resources, 2019, 129, 354-364.	3.8	40
29	3D NUMERICAL SIMULATION ON DETACHING PROCESS OF ARMOR BLOCK ON THE TOP OF COASTAL LEVEE BY ACCURATE PARTICLE METHOD. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2019, 75, I_853-I_858.	0.4	1
30	IMPROVEMENT OF WALKING MODEL UNDER INUNDATED CONDITION BY COUPLING WITH LAGRANGIAN SOLVER. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2019, 75, I_1387-I_1392.	0.4	0
31	On the state-of-the-art of particle methods for coastal and ocean engineering. Coastal Engineering Journal, 2018, 60, 79-103.	1.9	253
32	Numerical modeling of density currents using an Incompressible Smoothed Particle Hydrodynamics method. Computers and Fluids, 2018, 167, 372-383.	2.5	13
33	Towards development of enhanced fully-Lagrangian mesh-free computational methods for fluid-structure interaction. Journal of Hydrodynamics, 2018, 30, 49-61.	3.2	62
34	Numerical Investigation of the Morphological Dynamics of a Step-and-Pool Riverbed Using DEM-MPS. Journal of Hydraulic Engineering, 2018, 144, .	1.5	19
35	Enhanced particle method with stress point integration for simulation of incompressible fluid-nonlinear elastic structure interaction. Journal of Fluids and Structures, 2018, 81, 325-360.	3.4	19
36	Development of a projection-based SPH method for numerical wave flume with porous media of variable porosity. Coastal Engineering, 2018, 140, 1-22.	4.0	92

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37	An enhanced ISPHâ€"SPH coupled method for simulation of incompressible fluidâ€"elastic structure interactions. Computer Physics Communications, 2018, 232, 139-164.	7.5	229
38	An MPS-based particle method for simulation of multiphase flows characterized by high density ratios by incorporation of space potential particle concept. Computers and Mathematics With Applications, 2018, 76, 1108-1129.	2.7	46
39	PARTICLE-BASED SIMULATION OF DETACHING PROCESS OF ARMOR BLOCK FROM THE TOP OF COASTAL LEVEE DUE TO TSUNAMI OVERTOPPING FLOW. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_787-I_792.	0.1	2
40	SIMPLE AND EFFECTIVE SEDIMENTATION TECHNIQUE FOR SCOUR SIMULATION BY THE PROJECTION-BASED PARTICLE METHOD. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2018, 74, I_151-I_156.	0.4	0
41	HYDRAULIC EXPERIMENT AND NUMERICAL SIMULATION OF MOUND SCOURING BEHIND BREAKWATER INDUCED BY TSUNAMI OVERTOPPING. Journal of Japan Society of Civil Engineers Ser B2 (Coastal) Tj ETQq1 1 0.784314 rgBTjOverloc		
42	OIL SPILL SIMULATION BY ENHANCED ISPH METHOD WITH SPS TURBULENCE MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2018, 74, I_1129-I_1134.	0.4	0
43	APPLICABILITY OF ENHANCED ISPH METHOD WITH FLUID-SOIL INTERACTION MODEL FOR PREDICTION OF DEPOSITION OF DUMPING SAND FROM SPLIT HOPPER BARGE. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2018, 74, I_43-I_48.	0.4	1
44	HYDRAULIC EXPERIMENT FOR DEVELOPMENT OF BIPEDAL WALKING MODEL ON DEM-BASED CROWD BEHAVIOR SIMULATOR. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2018, 74, I_403-I_408.	0.4	0
45	On enhancement of energy conservation properties of projection-based particle methods. European Journal of Mechanics, B/Fluids, 2017, 66, 20-37.	2.5	92
46	Comparative study on accuracy and conservation properties of two particle regularization schemes and proposal of an optimized particle shifting scheme in ISPH context. Journal of Computational Physics, 2017, 332, 236-256.	3.8	260
47	Numerical Study on Breakwaters by the Accurate Particle Method. , 2017, , .		0
48	An Enhanced Particle Method for Simulation of Fluid Flow Interactions with Saturated Porous Media. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, I_841-I_846.	0.4	2
49	Computational wave dynamics for innovative design of coastal structures. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2017, 93, 525-546.	3.8	19
50	Development of a Fully Lagrangian SPH-based Computational Method for Incompressible Fluid-Elastic Structure Interactions. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, I_1039-I_1044.	0.4	1
51	WAVE OVERTOPPOING ANALYSIS ON WAVE ABSORBING SEAWALL USING IMPROVED MULTI-RESOLUTION MPS METHOD. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, I_19-I_24.	0.4	3
52	NUMERICAL SIMULATION OF RIPPLE FORMATION PROCESS BY DEM-MPS COUPLING METHOD. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, I_511-I_516.	0.4	1
53	VALIDATION OF MICROSCOPIC DYNAMICS OF GROUPING PEDESTRIANS BEHAVIOR: FROM OBSERVATION TO MODELING AND SIMULATION. Engineering Heritage Journal, 2017, 1, 15-18.	0.2	18
54	DEVELOPMENT OF PARTICLE-BASED NUMERICAL WAVE FLUME FOR MULTIPHASE FLOW SIMULATION. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, I_25-I_30.	0.4	0

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55	Development of a SPH-Based Method for Coastal Engineering-Related Heat Diffusion Problems. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_1213-I_1218.	0.4	1
56	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
57	INVESTIGATION OF GRANULAR-FLUID OSCILLATORY SHEAR FLOWS BY LES-DEM AND PIV. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_589-I_594.	0.4	0
58	NUMERICAL SIMULATION ON TURBIDITY FLOW INTO WATER USING PARTICLE-BASED TURBIDITY TRANSPORT MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_61-I_66.	0.4	0
59	An Enhanced Coupled Lagrangian Solver for Incompressible Fluid and Non-linear Elastic Structure Interactions. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_1117-I_1122.	0.4	2
60	ON ENHANCEMENT OF ENERGY CONSERVATION PROPERTIES OF INCOMPRESSIBLE SPH METHOD FOR ACCURATE SIMULATION OF PROGRESSIVE WATER WAVES. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_55-I_60.	0.4	1
61	NUMERICAL SIMULATION FOR SEDIMENT TRANSPORT IN SURF ZONE BY MPS-DEM COUPLING. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_583-I_588.	0.4	0
62	TSUNAMI EVACUATION PROCESS BY DEM-BASED CROWD BEHAVIOR SIMULATOR WITH PHOTOGRAMMETRY DATA. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_1597-I_1602.	0.4	0
63	PARTICLE SIMULATION OF SLOSHING BY THE IMPROVED FREE-SURFACE BOUNDARY MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, I_49-I_54.	0.4	0
64	Current achievements and future perspectives for projection-based particle methods with applications in ocean engineering. Journal of Ocean Engineering and Marine Energy, 2016, 2, 251-278.	1.7	136
65	SPH-based simulation of granular collapse on an inclined bed. Mechanics Research Communications, 2016, 73, 12-18.	1.8	28
66	A Multiphase Compressible–Incompressible Particle Method for Water Slamming. International Journal of Offshore and Polar Engineering, 2016, 26, .	0.8	26
67	Toward Enhancement of MPS Method for Ocean Engineering: Effect of Time-Integration Schemes. International Journal of Offshore and Polar Engineering, 2016, 26, 378-384.	0.8	3
68	DEVELOPMENT OF THE OPEN BOUNDARY MODEL FOR THE PROJECTION-BASED PARTICLE METHOD. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, I_13-I_18.	0.4	0
69	NUMERICAL SIMULATION FOR SEDIMENT MOBILITY IN SWASH ZONE BY MPS-DEM COUPLING. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, I_487-I_492.	0.4	0
70	WAVE PROPAGATION SIMULATION BY ACCULATE MPS METHOD WITH HIGH ENERGY CONSERVATION PROPERTY. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, I_25-I_30.	0.4	1
71	MPS-BASED SIMULATION OF SCOURING DUE TO SUBMERGED VERTICAL JET WITH SUB-PARTICLE-SCALE SUSPENDED LOAD MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, I_19-I_24.	0.4	2
72	LES-BASED COMPUTATIONAL STUDY ON FRICTION FACTOR UNDER COARSE-GRAINED SHEET-FLOW. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, I_493-I_498.	0.4	0

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73	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, I_883-I_888.	0.4	3
74	NUMERICAL SIMULATION ON HYDROPLANE TSUNAMI BARRIER BY ACCURATE PARTICLE METHOD. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, I_1051-I_1056.	0.4	0
75	Corrected higher order Laplacian for enhancement of pressure calculation by projection-based particle methods with applications in ocean engineering. Journal of Ocean Engineering and Marine Energy, 2015, 1, 361-376.	1.7	33
76	Space potential particles to enhance the stability of projection-based particle methods. International Journal of Computational Fluid Dynamics, 2015, 29, 100-119.	1.2	68
77	A switching action model for DEM-based multi-agent crowded behavior simulator. Safety Science, 2015, 79, 105-115.	4.9	12
78	Vertical sorting process under oscillatory sheet flow condition by resolved discrete particle model. Journal of Hydraulic Research/De Recherches Hydrauliques, 2015, 53, 332-350.	1.7	21
79	Development of Improved Higher Order Laplacian Model and Numerical Simulation on Scouring due to Submerged Jet. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2014, 70, I_36-I_40.	0.4	0
80	On enhancement of Incompressible SPH method for simulation of violent sloshing flows. Applied Ocean Research, 2014, 46, 104-115.	4.1	163
81	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
82	A New Surface Tension Model for Particle Methods with Enhanced Splash Computation. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2014, 70, I_26-I_30.	0.4	5
83	Proposal of Novel Wave-Making Model for Numerical Flume by the Accurate Particle Method. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2014, 70, I_31-I_35.	0.4	0
84	Accurate Incompressible SPH Method for Simulation of Wave Breaking on Vertical Seawall. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2014, 70, I_21-I_25.	0.4	0
85	Boussinesq modelling of solitary wave and N-wave runup on coast. Applied Ocean Research, 2013, 42, 144-154.	4.1	30
86	A short note on Dynamic Stabilization of Moving Particle Semi-implicit method. Computers and Fluids, 2013, 82, 158-164.	2.5	166
87	Two-phase flow LES of the sedimentation process of a particle cloud. Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 186-194.	1.7	15
88	Enhancement of performance and stability of MPS mesh-free particle method for multiphase flows characterized by high density ratios. Journal of Computational Physics, 2013, 242, 211-233.	3.8	144
89	Experimental Study of Local Scour around Twin Piles in Oscillatory Flows. Journal of Waterway, Port, Coastal and Ocean Engineering, 2013, 139, 404-412.	1.2	20
90	SIMULATION OF FLIP-THROUGH WAVE IMPACT BY CMPS METHOD WITH SPS-TURBULENCE MODEL. , 2013, , .		1

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91	NUMERICAL SIMULATION ON MOORED FLOATING BODY IN WAVE BY IMPROVED MPS METHOD. , 2013, , .		0
92	REFINED WAVE IMPACT PRESSURE CALCULATIONS BY AN ENHANCED PARTICLE METHOD. , 2013, , .		0
93	Dynamic stabilizer for an accurate DEM-MPS method. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2013, 69, I_1006-I_1010.	0.4	0
94	Numerical Analysis for Influence of Joint between Caissons under Tsunami Overflow on Composite Breakwater. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2013, 69, I_886-I_890.	0.4	0
95	Numerical Simulation of Breaking Waves Using Accurate Particle Method with SPS Turbulent Model. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2013, 69, I_16-I_20.	0.4	0
96	Simulation of unsteady settling process of particles by 3D accurate particle method. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2012, 68, I_851-I_855.	0.4	0
97	Euler–Lagrange model for scour in front of vertical breakwater. Applied Ocean Research, 2012, 34, 96-106.	4.1	17
98	A 3D higher order Laplacian model for enhancement and stabilization of pressure calculation in 3D MPS-based simulations. Applied Ocean Research, 2012, 37, 120-126.	4.1	93
99	Simulation of pedestrian contra-flow by multi-agent DEM model with self-evasive action model. Safety Science, 2012, 50, 326-332.	4.9	30
100	Fundamental Study on Large Deformation Analysis of Composite Breakwater by Improved Elastoplastic MPS Method. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2011, 67, I_731-I_735.	0.4	1
101	GPU-acceleration for Moving Particle Semi-Implicit method. Computers and Fluids, 2011, 51, 174-183.	2.5	64
102	Enhancement of stability and accuracy of the moving particle semi-implicit method. Journal of Computational Physics, 2011, 230, 3093-3118.	3.8	370
103	Numerical Simulation for Sedimentation Process of Blocks on a Sea Bed by High-Resolution Multiphase Model. Coastal Engineering Journal, 2011, 53, 343-364.	1.9	6
104	NUMERICAL SIMULATION FOR SEDIMENTATION PROCESS OF BLOCKS BY SOLID-LIQUID TURBULENCE MODEL. Doboku Gakkai Ronbunshuu B, 2010, 66, 25-34.	0.1	1
105	GPU-accelerated 3D MPS Method for Numerical Wave Flume. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2010, 66, 56-60.	0.4	0
106	Fluid-Elastoplastic Hybrid Model for Computational Mechanics of Wave-Induced Sea Cliff Erosion. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2010, 66, 916-920.	0.4	2
107	Discussion of ``Numerical simulation of impact loads using a particle method'' [Ocean Engineering, Volume 37, Issues 2–3, February 2010, Pages 164–173]. Ocean Engineering, 2010, 37, 1477-1479.	4.3	3
108	A higher order Laplacian model for enhancement and stabilization of pressure calculation by the MPS method. Applied Ocean Research, 2010, 32, 124-131.	4.1	229

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109	A Seepage-Deformation Coupled Analysis of an Unsaturated River Embankment using a Multiphase Elasto-Viscoplastic Theory. Soils and Foundations, 2010, 50, 483-494.	3.1	25
110	On particle-based simulation of a dam break over a wet bed. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 238-249.	1.7	69
111	Enhanced predictions of wave impact pressure by improved incompressible SPH methods. Applied Ocean Research, 2009, 31, 111-131.	4.1	140
112	Modified Moving Particle Semi-implicit methods for the prediction of 2D wave impact pressure. Coastal Engineering, 2009, 56, 419-440.	4.0	272
113	A three-dimensional distinct element model for bed-load transport. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 203-212.	1.7	37
114	3D LAGRANGIAN SIMULATION OF COMPACTION PROCESS OF WAVE DISSIPATING BLOCKS DUE TO HIGH WAVES. , 2009, , .		1
115	Accurate Particle Methods for Refined Simulation of Complicated Breaking Waves. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2009, 65, 31-35.	0.4	1
116	Development of 3D Parallelized CMPS Method with Optimized Domain Decomposition. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2009, 65, 41-45.	0.4	1
117	New Assessment Criterion of Free Surface for Stabilizing Pressure Field in Particle Method. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2009, 65, 21-25.	0.4	2
118	5. 3D-CMPS METHOD FOR IMPROVEMENT OF WATER SURFACE TRACKING IN BREAKING WAVES. , 2009, , .		3
119	CONTRIBUTION OF THE EVACUATION SIMULATOR FOR A TOWN AREA REMODELING PLAN FOR PROTECTION AGAINST DISASTERS OF TSUNAMI. , 2009, , .		0
120	HIGHLY PRESICE SIMULATION OF SEDIMENTATION PROCESS OF RUBBLE MOUND BY MULTI-PHASE FLOW MODEL WITH LES. , 2009, , .		0
121	NUMERICAL SIMULATION ON DRIFTING OF CONTAINER ON APRON DUE TO TSUNAMI BY 3-D MPS METHOD. , 2009, , .		0
122	Corrected Incompressible SPH method for accurate water-surface tracking in breaking waves. Coastal Engineering, 2008, 55, 236-250.	4.0	241
123	Development of CMPS Method for Accurate Water-Surface Tracking in Breaking Waves. Coastal Engineering Journal, 2008, 50, 179-207.	1.9	117
124	Computational Mechanics of Vertical Sorting of Sediment in Sheetflow Regime by 3D Granular Material Model. Coastal Engineering Journal, 2008, 50, 19-45.	1.9	30
125	Discrete Crowd Model for Evaluating Access to Hinterland across Seawall in Refuge from Tsunami Flood. Proceedings of Coastal Engineering Jsce, 2008, 55, 1366-1370.	0.1	0
126	NUMERICAL SIMULATION OF FLOW WITH FLEXIBLE VEGETATION BY PARTICLE METHOD. Proceedings of Hydraulic Engineering, 2008, 52, 973-978.	0.0	2

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127	DEM-MPS model of solid-flow interaction for simulating behavior of armor blocks. Proceedings of Coastal Engineering Jsce, 2008, 55, 836-840.	0.1	3
128	Direct Numerical Simulation for Sedimentation Process of Blocks by Solid/Liquid Two-Phase Flow Model. Proceedings of Coastal Engineering Jsce, 2008, 55, 961-965.	0.1	0
129	Contribution of Crowd Refuge Simulator to Town Planning against Tsunami Flood. Proceedings of Coastal Engineering Jsce, 2008, 55, 1371-1375.	0.1	6
130	Development of CMPS-HS method for attenuation of pressure fluctuation in particle method. Proceedings of Coastal Engineering Jsce, 2008, 55, 16-20.	0.1	5
131	REFINED SIMULATION OF SOLITARY PLUNGING BREAKER BY CMPS METHOD. Proceedings of Hydraulic Engineering, 2008, 52, 121-126.	0.0	0
132	High-resolving calculation of sedimentation process by DEM-base solid/liquid two-phase flow model. Proceedings of Hydraulic Engineering, 2008, 52, 967-972.	0.0	2
133	NUMERICAL SIMULATION OF RIVER-EMBANKMENT EROSION DUE TO OVERFLOW BY PARTICLE METHOD. Proceedings of Hydraulic Engineering, 2008, 52, 979-984.	0.0	9
134	Lagrangian simulation of buoy moored by chain by particle method. Proceedings of Coastal Engineering Jsce, 2008, 55, 901-905.	0.1	0
135	ABRASION PROCESS OF CONCRETE SEDIMENT-FLUSHING CHANNEL SIMULATED BY PARTICLE METHOD WITH TWO-PHASE-FLOW MODE. Proceedings of Hydraulic Engineering, 2007, 51, 853-858.	0.0	0
136	APPLICABILITY OF MPS METHOD TO BREAKING AND POST-BREAKING OF SOLITARY WAVES. Proceedings of Hydraulic Engineering, 2007, 51, 175-180.	0.0	3
137	Numerical Simulation for Subsidence Process of Wave Dissipating Blocks using 3D-DEM. Proceedings of Coastal Engineering Jsce, 2007, 54, 921-925.	0.1	2
138	PROPOSAL OF DEM-BASE CROWD REFUGE MODEL WITH THE OPTIMAL VELOCITY MODEL. Proceedings of Hydraulic Engineering, 2007, 51, 553-558.	0.0	0
139	3D SIMULATION OF BLOCKING OF BRIDGE IN MOUNTAIN STREAM BY DRIFT WOODS. Proceedings of Hydraulic Engineering, 2007, 51, 835-840.	0.0	1
140	Development of CISPH Method for Accurate Water-Surface Tracking in Plunging Breaker. Proceedings of Coastal Engineering Jsce, 2007, 54, 16-20.	0.1	2
141	Numerical Simulation of Vertical Sorting in Sheetflow Sediment Transport by Two-Phase Turbulent Flow Model. Proceedings of Coastal Engineering Jsce, 2007, 54, 476-480.	0.1	2
142	Numerical Simulation of Washed Process of Girder Bridge by Tsunami Run-up. Proceedings of Coastal Engineering Jsce, 2007, 54, 211-215.	0.1	6
143	Application of the MPS Method for Prediction of Armor-Block Stability in front of Stepped Seawall with Drainage. Proceedings of Coastal Engineering Jsce, 2007, 54, 756-760.	0.1	4
144	A BASIC STUDY OF A HYBRID CODE OF PARTICLE METHOD AND BOUSSINESQ MODEL. Proceedings of Hydraulic Engineering, 2006, 50, 1453-1458.	0.0	0

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145	COMPUTATIONAL MECHANICS OF A FORCE ON A HUMAN LEG IN FLOW OVER A UNDERGROUND STAIRCASE IN URBAN FLOOD. Proceedings of Hydraulic Engineering, 2006, 50, 865-870.	0.0	1
146	PARTICLE-SYSTEM MODEL OF CROWD REFUGE FROM INUNDATED UNDERGROUND SPACE. Proceedings of Hydraulic Engineering, 2006, 50, 589-594.	0.0	1
147	NUMERICAL SIMULATION OF BLOCKING PROCESS OF GRID-TYPE DAM BY DEBRIS FLOW. Proceedings of Hydraulic Engineering, 2006, 50, 739-744.	0.0	1
148	COMPUTATIONAL MECHANICS OF A BLOCKING OF GATELESS BOTTOM OUTLET BY DRIFT WOODS. Proceedings of Hydraulic Engineering, 2006, 50, 793-798.	0.0	4
149	DEVELOPMENT OF NUMERICAL FISHWAY BY 3D MPS METHOD. Proceedings of Hydraulic Engineering, 2006, 50, 853-858.	0.0	2
150	Key issues in the particle method for computation of wave breaking. Coastal Engineering, 2006, 53, 171-179.	4.0	136
151	DEVELOPMENT OF NUMERICAL FISHWAY BY FISH-SCHOOL BOIDS. Proceedings of Hydraulic Engineering, 2005, 49, 1477-1482.	0.0	0
152	WATERFALL CG BASED ON PARTICLE METHOD WITH GAS-LIQUID TWO-PHASE FLOW MODEL. Proceedings of Hydraulic Engineering, 2005, 49, 763-768.	0.0	0
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