

Hitoshi Gotoh

List of Publications by Year in descending order

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215
papers

5,617
citations

87888

38
h-index

79698

73
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216
all docs

216
docs citations

216
times ranked

1311
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of stability and accuracy of the moving particle semi-implicit method. Journal of Computational Physics, 2011, 230, 3093-3118.	3.8	370
2	Modified Moving Particle Semi-implicit methods for the prediction of 2D wave impact pressure. Coastal Engineering, 2009, 56, 419-440.	4.0	272
3	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
4	On the state-of-the-art of particle methods for coastal and ocean engineering. Coastal Engineering Journal, 2018, 60, 79-103.	1.9	253
5	Corrected Incompressible SPH method for accurate water-surface tracking in breaking waves. Coastal Engineering, 2008, 55, 236-250.	4.0	241
6	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
7	An enhanced ISPH-SPH coupled method for simulation of incompressible fluid-elastic structure interactions. Computer Physics Communications, 2018, 232, 139-164.	7.5	229
8	A short note on Dynamic Stabilization of Moving Particle Semi-implicit method. Computers and Fluids, 2013, 82, 158-164.	2.5	166
9	On enhancement of Incompressible SPH method for simulation of violent sloshing flows. Applied Ocean Research, 2014, 46, 104-115.	4.1	163
10	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
11	Enhanced predictions of wave impact pressure by improved incompressible SPH methods. Applied Ocean Research, 2009, 31, 111-131.	4.1	140
12	Key issues in the particle method for computation of wave breaking. Coastal Engineering, 2006, 53, 171-179.	4.0	136
13	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
14	SPH-LES Model for Numerical Investigation of Wave Interaction with Partially Immersed Breakwater. Coastal Engineering Journal, 2004, 46, 39-63.	1.9	130
15	Development of CMPS Method for Accurate Water-Surface Tracking in Breaking Waves. Coastal Engineering Journal, 2008, 50, 179-207.	1.9	117
16	Multi-resolution MPS for incompressible fluid-elastic structure interactions in ocean engineering. Applied Ocean Research, 2019, 82, 397-414.	4.1	114
17	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
18	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

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19	On enhancement of energy conservation properties of projection-based particle methods. <i>European Journal of Mechanics, B/Fluids</i> , 2017, 66, 20-37.	2.5	92
20	Development of a projection-based SPH method for numerical wave flume with porous media of variable porosity. <i>Coastal Engineering</i> , 2018, 140, 1-22.	4.0	92
21	Turbulence particle models for tracking free surfaces. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2005, 43, 276-289.	1.7	91
22	A coupled incompressible SPH-Hamiltonian SPH solver for hydroelastic FSI corresponding to composite structures. <i>Applied Mathematical Modelling</i> , 2021, 94, 242-271.	4.2	87
23	Development of a fully Lagrangian MPS-based coupled method for simulation of fluid-structure interaction problems. <i>Journal of Fluids and Structures</i> , 2014, 50, 497-511.	3.4	86
24	Numerical simulations of sloshing flows with elastic baffles by using a particle-based fluid-structure interaction analysis method. <i>Ocean Engineering</i> , 2016, 118, 227-241.	4.3	81
25	Lagrangian Particle Method for Simulation of Wave Overtopping on a Vertical Seawall. <i>Coastal Engineering Journal</i> , 2005, 47, 157-181.	1.9	78
26	Multi-resolution ISPH-SPH for accurate and efficient simulation of hydroelastic fluid-structure interactions in ocean engineering. <i>Ocean Engineering</i> , 2021, 226, 108652.	4.3	77
27	On particle-based simulation of a dam break over a wet bed. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010, 48, 238-249.	1.7	69
28	Simulating Coupled Motion of Progressive Wave and Floating Curtain Wall by SPH-LES Model. <i>Coastal Engineering Journal</i> , 2004, 46, 171-202.	1.9	68
29	Space potential particles to enhance the stability of projection-based particle methods. <i>International Journal of Computational Fluid Dynamics</i> , 2015, 29, 100-119.	1.2	68
30	Lagrangian Simulation of Breaking Waves Using Particle Method. <i>Coastal Engineering Journal</i> , 1999, 41, 303-326.	1.9	67
31	Entirely Lagrangian meshfree computational methods for hydroelastic fluid-structure interactions in ocean engineering-Reliability, adaptivity and generality. <i>Applied Ocean Research</i> , 2021, 115, 102822.	4.1	67
32	GPU-acceleration for Moving Particle Semi-Implicit method. <i>Computers and Fluids</i> , 2011, 51, 174-183.	2.5	64
33	Towards development of enhanced fully-Lagrangian mesh-free computational methods for fluid-structure interaction. <i>Journal of Hydrodynamics</i> , 2018, 30, 49-61.	3.2	62
34	Numerical Simulation of Sheetflow as Granular Material. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1997, 123, 329-336.	1.2	57
35	Enhancement of pressure calculation in projection-based particle methods by incorporation of background mesh scheme. <i>Applied Ocean Research</i> , 2019, 86, 320-339.	4.1	54
36	An MPS-based particle method for simulation of multiphase flows characterized by high density ratios by incorporation of space potential particle concept. <i>Computers and Mathematics With Applications</i> , 2018, 76, 1108-1129.	2.7	46

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37	A 3D Lagrangian meshfree projection-based solver for hydroelastic Fluid-Structure Interactions. <i>Journal of Fluids and Structures</i> , 2021, 105, 103342.	3.4	44
38	Enhancement of $\hat{\Gamma}$ -SPH for ocean engineering applications through incorporation of a background mesh scheme. <i>Applied Ocean Research</i> , 2021, 110, 102508.	4.1	41
39	Numerical simulation for sediment transport using MPS-DEM coupling model. <i>Advances in Water Resources</i> , 2019, 129, 354-364.	3.8	40
40	A three-dimensional distinct element model for bed-load transport. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009, 47, 203-212.	1.7	37
41	Numerical simulation for swash morphodynamics by DEM-MPS coupling model. <i>Coastal Engineering Journal</i> , 2019, 61, 2-14.	1.9	36
42	An enhanced multiphase ISPH-based method for accurate modeling of oil spill. <i>Coastal Engineering Journal</i> , 2020, 62, 625-646.	1.9	35
43	Corrected higher order Laplacian for enhancement of pressure calculation by projection-based particle methods with applications in ocean engineering. <i>Journal of Ocean Engineering and Marine Energy</i> , 2015, 1, 361-376.	1.7	33
44	Development of PARISPHERE as the particle-based numerical wave flume for coastal engineering problems. <i>Coastal Engineering Journal</i> , 2019, 61, 41-62.	1.9	31
45	Computational Mechanics of Vertical Sorting of Sediment in Sheetflow Regime by 3D Granular Material Model. <i>Coastal Engineering Journal</i> , 2008, 50, 19-45.	1.9	30
46	Simulation of pedestrian contra-flow by multi-agent DEM model with self-evasive action model. <i>Safety Science</i> , 2012, 50, 326-332.	4.9	30
47	Boussinesq modelling of a solitary wave and N-wave runup on coast. <i>Applied Ocean Research</i> , 2013, 42, 144-154.	4.1	30
48	Applicability of Euler-Lagrange coupling multiphase-flow model to bed-load transport under high bottom shear. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2000, 38, 389-398.	1.7	28
49	SPH-based simulation of granular collapse on an inclined bed. <i>Mechanics Research Communications</i> , 2016, 73, 12-18.	1.8	28
50	On systematic development of FSI solvers in the context of particle methods. <i>Journal of Hydrodynamics</i> , 2022, 34, 395-407.	3.2	28
51	A Multiphase Compressible-Incompressible Particle Method for Water Slamming. <i>International Journal of Offshore and Polar Engineering</i> , 2016, 26, .	0.8	26
52	A Seepage-Deformation Coupled Analysis of an Unsaturated River Embankment using a Multiphase Elasto-Viscoplastic Theory. <i>Soils and Foundations</i> , 2010, 50, 483-494.	3.1	25
53	Vertical sorting process under oscillatory sheet flow condition by resolved discrete particle model. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015, 53, 332-350.	1.7	21
54	Experimental Study of Local Scour around Twin Piles in Oscillatory Flows. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2013, 139, 404-412.	1.2	20

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55	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
56	Numerical Investigation of the Morphological Dynamics of a Step-and-Pool Riverbed Using DEM-MPS. Journal of Hydraulic Engineering, 2018, 144, .	1.5	19
57	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
58	VALIDATION OF MICROSCOPIC DYNAMICS OF GROUPING PEDESTRIANS BEHAVIOR: FROM OBSERVATION TO MODELING AND SIMULATION. Engineering Heritage Journal, 2017, 1, 15-18.	0.2	18
59	Euler-Lagrange model for scour in front of vertical breakwater. Applied Ocean Research, 2012, 34, 96-106.	4.1	17
60	Numerical simulation for coastal morphodynamics using DEM-MPS method. Applied Ocean Research, 2021, 117, 102905.	4.1	17
61	Incompressible SPH simulation of solitary wave propagation on permeable beaches. Journal of Hydrodynamics, 2020, 32, 664-671.	3.2	16
62	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
63	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
64	Vertical sorting process in oscillating water tank using DEM-MPS coupling model. Coastal Engineering, 2021, 165, 103765.	4.0	14
65	Development of Wavy Interface model for wave generation by the projection-based particle methods. Coastal Engineering, 2021, 165, 103861.	4.0	14
66	Numerical modeling of density currents using an Incompressible Smoothed Particle Hydrodynamics method. Computers and Fluids, 2018, 167, 372-383.	2.5	13
67	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
68	A switching action model for DEM-based multi-agent crowded behavior simulator. Safety Science, 2015, 79, 105-115.	4.9	12
69	Study of beach permeability's influence on solitary wave runup with ISPH method. Applied Ocean Research, 2021, 117, 102957.	4.1	11
70	NUMERICAL SIMULATION OF RIVER-EMBANKMENT EROSION DUE TO OVERFLOW BY PARTICLE METHOD. Proceedings of Hydraulic Engineering, 2008, 52, 979-984.	0.0	9
71	Numerical investigation of sediment transport mechanism under breaking waves by DEM-MPS coupling scheme. Coastal Engineering, 2022, 175, 104146.	4.0	9
72	LAGRANGIAN FLOW SIMULATION WITH SUB-PARTICLE-SCALE TURBULENCE MODEL. Proceedings of Hydraulic Engineering, 2000, 44, 575-580.	0.0	7

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73	Numerical investigation of ripple in oscillating water tank by DEM-MPS coupled solid-liquid two-phase flow model. Journal of Hydro-Environment Research, 2020, 32, 26-47.	2.2	7
74	LAGRANGIAN PARTICLE METHOD FOR ANALYSIS OF DAM-UP PROCESS BY DRIFT TIMBERS. Proceedings of Hydraulic Engineering, 2001, 45, 919-924.	0.0	6
75	Lagrangian Two-Phase Flow Model of the Settling Behavior of Fine Sediment Dumped into Water. , 2001, , 3906.		6
76	LAGRANGIAN COUPLING FOR SOLID-LIQUID TWO PHASE FLOW BY DEM-MPS METHOD. Proceedings of Hydraulic Engineering, 2003, 47, 547-552.	0.0	6
77	SPH-LES MODEL FOR WAVE DISSIPATION USING A CURTAIN WALL. Proceedings of Hydraulic Engineering, 2003, 47, 397-402.	0.0	6
78	Numerical Simulation of Washed Process of Girder Bridge by Tsunami Run-up. Proceedings of Coastal Engineering Jsce, 2007, 54, 211-215.	0.1	6
79	Contribution of Crowd Refuge Simulator to Town Planning against Tsunami Flood. Proceedings of Coastal Engineering Jsce, 2008, 55, 1371-1375.	0.1	6
80	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
81	TRANSITION FROM BED-LOAD MOTION TO SUSPENSION AND ITS ROLE ON BED MATERIAL LOAD TRANSPORT. Doboku Gakkai Ronbunshu, 1990, 1990, 149-156.	0.2	5
82	LAGRANGIAN APPROACH TO FLOW-VELOCITY FIELD UNDER THE EXISTENCE OF THE DRASTIC CHANGE OF WATER SURFACE. Proceedings of Hydraulic Engineering, 1999, 43, 509-514.	0.0	5
83	GENERALIZED MOVABLE BED SIMULATOR BY USING 3D DISTINCT ELEMENT METHOD. Proceedings of Hydraulic Engineering, 2002, 46, 613-618.	0.0	5
84	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
85	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
86	MOVABLE-BED SIMULATOR FOR FRACTIONAL TRANSPORT OF GRADED SEDIMENT. Proceedings of Hydraulic Engineering, 2000, 44, 665-670.	0.0	4
87	GRIDLESS ANALYSIS OF SLOPE FAILURE OF EMBANKMENT BY OVERFLOW. Proceedings of Hydraulic Engineering, 2002, 46, 439-444.	0.0	4
88	PRESSURE ANALYSIS OF DAM-BREAK AND WAVE-BREAKING BY SPH MODEL. Proceedings of Hydraulic Engineering, 2003, 47, 403-408.	0.0	4
89	COMPUTATIONAL MECHANICS OF A BLOCKING OF GATELESS BOTTOM OUTLET BY DRIFT WOODS. Proceedings of Hydraulic Engineering, 2006, 50, 793-798.	0.0	4
90	Special issue on SPH (Smoothed Particle Hydrodynamics) for Coastal and Ocean Engineering. Coastal Engineering Journal, 2019, 61, 1-1.	1.9	4

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91	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
92	COUPLING OF MULTIPHASE-FLOW MODEL AND DISTINCT ELEMENT METHOD FOR SIMULATION OF SEDIMENT TRANSPORT UNDER HIGH BOTTOM SHEAR. Doboku Gakkai Ronbunshu, 2000, 2000, 17-26.	0.2	3
93	DESTRUCTION PROCESS OF RUBBLE MOUND WEIR BY USING EULER-LAGRANGE COUPLING MODEL. Doboku Gakkai Ronbunshu, 2004, 2004, 45-54.	0.2	3
94	APPLICABILITY OF MPS METHOD TO BREAKING AND POST-BREAKING OF SOLITARY WAVES. Proceedings of Hydraulic Engineering, 2007, 51, 175-180.	0.0	3
95	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
96	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
97	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
98	5. 3D-CMPS METHOD FOR IMPROVEMENT OF WATER SURFACE TRACKING IN BREAKING WAVES. , 2009, , .		3
99	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
100	WAVE OVERTOPPING ANALYSIS ON WAVE ABSORBING SEAWALL USING IMPROVED MULTI-RESOLUTION MPS METHOD. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, 1_19-1_24.	0.4	3
101	NUMERICAL ANALYSIS OF BED-LOAD LAYER AS SOLID/LIQUID TWO-PHASE FLOW. Doboku Gakkai Ronbunshu, 1994, 1994, 11-19.	0.2	2
102	DEVELOPMENT OF NUMERICAL FISHWAY BY 3D MPS METHOD. Proceedings of Hydraulic Engineering, 2006, 50, 853-858.	0.0	2
103	Numerical Simulation for Subsidence Process of Wave Dissipating Blocks using 3D-DEM. Proceedings of Coastal Engineering Jsce, 2007, 54, 921-925.	0.1	2
104	Development of CISP Method for Accurate Water-Surface Tracking in Plunging Breaker. Proceedings of Coastal Engineering Jsce, 2007, 54, 16-20.	0.1	2
105	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
106	NUMERICAL SIMULATION OF FLOW WITH FLEXIBLE VEGETATION BY PARTICLE METHOD. Proceedings of Hydraulic Engineering, 2008, 52, 973-978.	0.0	2
107	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
108	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

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109	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
110	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, 1_19-1_24.	0.4	2
111	A Microscopic Dynamics of Crowd Behavior for Crowd Evacuation Simulation in the Event of a Tsunami Disaster. Applied Mechanics and Materials, 0, 802, 77-82.	0.2	2
112	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, 1_1117-1_1122.	0.4	2
113	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, 1_841-1_846.	0.4	2
114	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, 1_787-1_792.	0.1	2
115	Dynamics of Suspended Particle in Vertical Random Oscillating Flow. Proceedings of Hydraulic Engineering, 1994, 38, 585-590.	0.0	1
116	Numerical simulation of granular-material flow on a slope. Proceedings of Hydraulic Engineering, 1996, 40, 1039-1044.	0.0	1
117	Interaction between Transported-Sediment Particle and Bed-Material Particles. Proceedings of Hydraulic Engineering, 1997, 41, 819-824.	0.0	1
118	NUMERICAL STUDY OF PARTICLE DIAMETER EFFECT ON OSCILLATORY SHEET FLOW TRANSPORT WITH MOVABLE BED SIMULATOR. Proceedings of Hydraulic Engineering, 2000, 44, 653-658.	0.0	1
119	COMPUTATIONAL MECHANICAL APPROACH TO THREE-DIMENSIONALITY OF GRAIN SORTING. Proceedings of Hydraulic Engineering, 2002, 46, 619-624.	0.0	1
120	NUMERICAL SIMULATION OF WAVE OVERTOPPING ON A VERTICAL SEAWALL BY USING MPS METHOD. Doboku Gakkai Ronbunshu, 2003, 2003, 87-98.	0.2	1
121	MECHANISM OF THE SAND-UPWELLING WITH A UNDERGROUND WATER JET. Proceedings of Hydraulic Engineering, 2004, 48, 1189-1194.	0.0	1
122	IMPROVEMENT OF INTERFACE TRACKING IN LAGRANGIAN PARTICLE METHOD FOR GAS-LIQUID TWO-PHASE FLOW. Proceedings of Hydraulic Engineering, 2004, 48, 685-690.	0.0	1
123	SIMULATION OF REFUGE FROM INUNDATED UNDERGROUND SPACE BY PARTICLE-SYSTEM MODEL OF CROWD BEHAVIOR. Proceedings of Hydraulic Engineering, 2005, 49, 607-612.	0.0	1
124	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
125	PARTICLE-SYSTEM MODEL OF CROWD REFUGE FROM INUNDATED UNDERGROUND SPACE. Proceedings of Hydraulic Engineering, 2006, 50, 589-594.	0.0	1
126	NUMERICAL SIMULATION OF BLOCKING PROCESS OF GRID-TYPE DAM BY DEBRIS FLOW. Proceedings of Hydraulic Engineering, 2006, 50, 739-744.	0.0	1

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127	3D SIMULATION OF BLOCKING OF BRIDGE IN MOUNTAIN STREAM BY DRIFT WOODS. Proceedings of Hydraulic Engineering, 2007, 51, 835-840.	0.0	1
128	3D LAGRANGIAN SIMULATION OF COMPACTION PROCESS OF WAVE DISSIPATING BLOCKS DUE TO HIGH WAVES. , 2009, , .		1
129	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
130	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
131	NUMERICAL SIMULATION FOR SEDIMENTATION PROCESS OF BLOCKS BY SOLID-LIQUID TURBULENCE MODEL. Doboku Gakkai Ronbunshuu B, 2010, 66, 25-34.	0.1	1
132	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
133	SIMULATION OF FLIP-THROUGH WAVE IMPACT BY CMPS METHOD WITH SPS-TURBULENCE MODEL. , 2013, , .		1
134	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
135	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
136	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
137	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
138	LAGRANGIAN GRIDLESS MODEL FOR STRUCTURE-FLOW-FLOATS TRIANGULAR INTERACTION. , 2002, , .		1
139	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
140	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
141	Experiment on Flow-Velocity Profile and Sediment Motion in Transition Process from Saltation to Sheetflow. Proceedings of Hydraulic Engineering, 1997, 41, 825-830.	0.0	1
142	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
143	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
144	Structure of Flow and Dispersion Process of Suspended Particle over Two-Dimensional Dunes. Proceedings of Hydraulic Engineering, 1990, 34, 523-528.	0.0	0

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145	Dislodgement Process of Sediment Partides on Bed at Unsteady Flow. Proceedings of Hydraulic Engineering, 1991, 35, 429-434.	0.0	0
146	Numerical Simulation of Bed-Load Layer: Modelling of Interaction among Saltating Particles. Proceedings of Hydraulic Engineering, 1993, 37, 605-610.	0.0	0
147	Numerical Analysis of the Dynamics of Bed-Load Particles as Granular Material. Proceedings of Hydraulic Engineering, 1993, 37, 611-616.	0.0	0
148	Clasification of Damage of Revetment by Nural Network. Proceedings of Hydraulic Engineering, 1994, 38, 833-836.	0.0	0
149	Experiment on Dynamic Response of Porewater Pressure in Seabed. Proceedings of Hydraulic Engineering, 1994, 38, 511-516.	0.0	0
150	Energy Spectrum-Based Simulation of Turbulence and Its Application to Stochastic Model of Suspension. Proceedings of Hydraulic Engineering, 1994, 38, 591-596.	0.0	0
151	Response of granular-material flow to abrupt change of surface-shear force. Proceedings of Hydraulic Engineering, 1996, 40, 1045-1050.	0.0	0
152	Sediment Transport in Sheetflow Regime under Oscillatory Flow. Proceedings of Hydraulic Engineering, 1997, 41, 831-836.	0.0	0
153	EXPERIMENT ON COLLISION OF SALTATING PARTICLE WITH MOVABLE BED. Proceedings of Hydraulic Engineering, 1998, 42, 1051-1056.	0.0	0
154	COLLISION OF SALTATING PARTICLE WITH MOVABLE BED. Proceedings of Hydraulic Engineering, 1999, 43, 647-652.	0.0	0
155	NUMERICAL SIMULATION OF WAVE BREAKING AND SWASH ON PERMEABLE UNIFORM SLOPE. Proceedings of Civil Engineering in the Ocean, 1999, 15, 315-320.	0.0	0
156	Aerodynamic Granular-Material Model of Wind-Blown Sand Layer. , 2001, , 2575.		0
157	Vertical Grading of Mixed-Size Grains in Sheetflow Regime under Oscillatory Flow. , 2001, , 2766.		0
158	EFFECT OF FALLEN TREES ON LANDSLIDES AT MOUNTAIN STREAM. Proceedings of Hydraulic Engineering, 2001, 45, 721-726.	0.0	0
159	SIMULATION OF PAVEMENT FORMATION IN GRADED SEDIMENT TRANSPORT USING MOVABLE-BED SIMULATOR. Proceedings of Hydraulic Engineering, 2001, 45, 655-660.	0.0	0
160	SAND-BED INSTABILITY DUE TO INTER-PARTICLE COLLISIONS ON MOVABLE BED. Proceedings of Hydraulic Engineering, 2001, 45, 637-642.	0.0	0
161	LAGLANGIAN ANALYSIS OF INUNDATION OF UNDERDRAINAGE CHANNEL. Proceedings of Hydraulic Engineering, 2002, 46, 845-850.	0.0	0
162	SOLID-LIQUID TWO PHASE FLOW MODEL BASED ON LAGLANGIAN PARTICLE METHOD FOR THE SIMULATION OF WATER WAVE GENERATION DUE TO LANDSLIDES. Doboku Gakkai Ronbunshu, 2002, 2002, 31-45.	0.2	0

#	ARTICLE	IF	CITATIONS
163	NUMERICAL MODEL OF POTHOLE FORMATION PROCESS BY MPS METHOD. Proceedings of Hydraulic Engineering, 2002, 46, 767-772.	0.0	0
164	3D NUMERICAL MOVABLE BED FOR FORMATION PROCESS OF DEBRIS FAN. Proceedings of Hydraulic Engineering, 2003, 47, 553-558.	0.0	0
165	NUMERICAL SIMULATION OF EXFOLIATION PROCESS OF SESSILE ALGAE BY MOVABLE BED SIMULATOR. Proceedings of Hydraulic Engineering, 2004, 48, 679-684.	0.0	0
166	POSTPROCESSOR OF PARTICLE METHOD FOR VISUAL EXPRESSION OF FALLING WATER. Proceedings of Hydraulic Engineering, 2004, 48, 643-648.	0.0	0
167	DEVELOPMENT OF NUMERICAL FISHWAY BY FISH-SCHOOL BOIDS. Proceedings of Hydraulic Engineering, 2005, 49, 1477-1482.	0.0	0
168	WATERFALL CG BASED ON PARTICLE METHOD WITH GAS-LIQUID TWO-PHASE FLOW MODEL. Proceedings of Hydraulic Engineering, 2005, 49, 763-768.	0.0	0
169	3-D NUMERICAL SIMULATION OF FLOW OVER STEPPED CHANNEL BY PARTICLE METHOD. Proceedings of Hydraulic Engineering, 2005, 49, 811-816.	0.0	0
170	3D-NUMERICAL MOVABLE BED IN PARALLEL COMPUTATION FOR REAL SCALE SIMULATION OF SEDIMENT FLOW. Proceedings of Hydraulic Engineering, 2005, 49, 883-888.	0.0	0
171	NUMERICAL SIMULATION FOR DEVELOPING PROCESS OF BED LOAD PARTICLES LAYER. Proceedings of Hydraulic Engineering, 2005, 49, 745-750.	0.0	0
172	A BASIC STUDY OF A HYBRID CODE OF PARTICLE METHOD AND BOUSSINESQ MODEL. Proceedings of Hydraulic Engineering, 2006, 50, 1453-1458.	0.0	0
173	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
174	PROPOSAL OF DEM-BASE CROWD REFUGE MODEL WITH THE OPTIMAL VELOCITY MODEL. Proceedings of Hydraulic Engineering, 2007, 51, 553-558.	0.0	0
175	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
176	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
177	REFINED SIMULATION OF SOLITARY PLUNGING BREAKER BY CMPS METHOD. Proceedings of Hydraulic Engineering, 2008, 52, 121-126.	0.0	0
178	Lagrangian simulation of buoy moored by chain by particle method. Proceedings of Coastal Engineering Jsce, 2008, 55, 901-905.	0.1	0
179	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
180	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, 1_851-1_855.	0.4	0

#	ARTICLE	IF	CITATIONS
181	NUMERICAL SIMULATION ON MOORED FLOATING BODY IN WAVE BY IMPROVED MPS METHOD. , 2013, , .		0
182	REFINED WAVE IMPACT PRESSURE CALCULATIONS BY AN ENHANCED PARTICLE METHOD. , 2013, , .		0
183	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
184	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
185	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
186	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
187	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
188	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
189	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
190	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
191	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
192	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
193	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
194	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
195	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
196	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
197	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
198	Numerical Study on Breakwaters by the Accurate Particle Method. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
199	UNSTEADINESS OF ARMORING IN OSCILLATORY SHEETFLOW OF GRADED SEDIMENT. , 2003, , .		0
200	SIMULATION OF TSUNAMI-INDUCED FLOOD IN HINTERLAND OF SEAWALL BY USING PARTICLE METHOD. , 2003, , .		0
201	CONTRIBUTION OF THE EVACUATION SIMULATOR FOR A TOWN AREA REMODELING PLAN FOR PROTECTION AGAINST DISASTERS OF TSUNAMI. , 2009, , .		0
202	HIGHLY PRECISE SIMULATION OF SEDIMENTATION PROCESS OF RUBBLE MOUND BY MULTI-PHASE FLOW MODEL WITH LES. , 2009, , .		0
203	NUMERICAL SIMULATION ON DRIFTING OF CONTAINER ON APRON DUE TO TSUNAMI BY 3-D MPS METHOD. , 2009, , .		0
204	Lagrange. Japanese Journal of Multiphase Flow, 1999, 13, 42-51.		0
205	DEVELOPMENT OF PARTICLE-BASED NUMERICAL WAVE FLUME FOR MULTIPHASE FLOW SIMULATION. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2017, 73, L_25-L_30.	0.4	0
206	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, L_151-L_156.	0.4	0
207	HYDRAULIC EXPERIMENT AND NUMERICAL SIMULATION OF MOUND SCOURING BEHIND BREAKWATER INDUCED BY TSUNAMI OVERTOPPING. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2018, 74, L_151-L_156.	0.4	0
208	OIL SPILL SIMULATION BY ENHANCED ISPH METHOD WITH SPS TURBULENCE MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2018, 74, L_1129-L_1134.	0.4	0
209	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, L_403-L_408.	0.4	0
210	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, L_1387-L_1392.	0.4	0
211	DEVELOPMENT OF NEW MPS-BASED WAVE GENERATION MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2020, 76, L_7-L_12.	0.4	0
212	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, L_475-L_480.	0.4	0
213	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, L_31-L_36.	0.4	0
214	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, L_871-L_876.	0.4	0
215	Fully implicit discrete element method for granular column collapse. Computational Particle Mechanics, 0, , .	3.0	0