

# Sri R Pudjaprasetya

## List of Publications by Year in descending order

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52  
papers

312  
citations

933264

10  
h-index

940416

16  
g-index

56  
all docs

56  
docs citations

56  
times ranked

76  
citing authors

#	ARTICLE	IF	CITATIONS
1	Momentum Conservative Schemes for Shallow Water Flows. East Asian Journal on Applied Mathematics, 2014, 4, 152-165.	0.4	60
2	Uni-directional waves over slowly varying bottom. Part I: Derivation of a KdV-type of equation. Wave Motion, 1993, 18, 345-370.	1.0	26
3	Staggered Momentum Conservative Scheme For Radial Dam Break Simulation. Journal of Scientific Computing, 2015, 65, 867-874.	1.1	26
4	Wave Interaction with an Emerged Porous Media. Advances in Applied Mathematics and Mechanics, 2014, 6, 680-692.	0.7	21
5	Staggered scheme for the Exner's shallow water equations. Computational Geosciences, 2015, 19, 1197-1206.	1.2	20
6	A STAGGERED METHOD FOR THE SHALLOW WATER EQUATIONS INVOLVING VARYING CHANNEL WIDTH AND TOPOGRAPHY. International Journal for Multiscale Computational Engineering, 2018, 16, 231-244.	0.8	16
7	A Deep Learning Approach for Wave Forecasting Based on a Spatially Correlated Wind Feature, with a Case Study in the Java Sea, Indonesia. Fluids, 2022, 7, 39.	0.8	14
8	Unidirectional waves over slowly varying bottom Part II. Quasi-homogeneous approximation of distorting waves. Wave Motion, 1996, 23, 23-38.	1.0	12
9	Generation of Secondary Solitary Waves in the Variable-Coefficient Korteweg-de Vries Equation. Studies in Applied Mathematics, 2004, 112, 271-279.	1.1	12
10	A Nonhydrostatic Two-Layer Staggered Scheme for Transient Waves due to Anti-Symmetric Seabed Thrust. Journal of Earthquake and Tsunami, 2017, 11, 1740002.	0.7	10
11	The splitting of solitary waves running over a shallower water. Wave Motion, 1999, 29, 375-389.	1.0	7
12	Numerical modeling of 2D wave refraction and shoaling. AIP Conference Proceedings, 2014, , .	0.3	7
13	A non-hydrostatic numerical scheme for dispersive waves generated by bottom motion. Wave Motion, 2015, 57, 245-256.	1.0	7
14	Modeling of wave run-up by using staggered grid scheme implementation in 1D Boussinesq model. Computational Geosciences, 2019, 23, 793-811.	1.2	7
15	Modelling and simulation of waves in three-layer porous media. Nonlinear Processes in Geophysics, 2013, 20, 1023-1030.	0.6	6
16	A Momentum-Conserving Scheme for Flow Simulation in 1D Channel with Obstacle and Contraction. Fluids, 2021, 6, 26.	0.8	6
17	Staggered grid implementation of 1D Boussinesq model for simulating dispersive wave. Journal of Physics: Conference Series, 2018, 971, 012020.	0.3	5
18	Staggered Conservative Scheme for 2-Dimensional Shallow Water Flows. Fluids, 2020, 5, 149.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Numerical Simulation of Propagation and Run-Up of Long Waves in U-Shaped Bays. <i>Fluids</i> , 2021, 6, 146.	0.8	5
20	BEM-numeric and KdV-model analysis for solitary wave split-up. <i>Computational Mechanics</i> , 1997, 19, 179-187.	2.2	4
21	Hamiltonian formulation for solitary waves propagating on a variable background. <i>Journal of Engineering Mathematics</i> , 1999, 36, 89-98.	0.6	4
22	Numerical Simulation of Tidal Bore Bono at Kampar River. <i>Journal of Applied Fluid Mechanics</i> , 2019, 12, 311-318.	0.4	4
23	Traffic Lights or Roundabout? Analysis using the Modified Kinematic LWR Model. <i>East Asian Journal on Applied Mathematics</i> , 2016, 6, 80-88.	0.4	3
24	A Coupled Model for Wave Run-up Simulation. <i>East Asian Journal on Applied Mathematics</i> , 2017, 7, 728-740.	0.4	3
25	Staggered Conservative Scheme for Simulating the Emergence of a Jamiton in a Phantom Traffic Jam. <i>International Journal of Intelligent Transportation Systems Research</i> , 2021, 19, 128-140.	0.6	3
26	Hamiltonian formulation for the description of interfacial solitary waves. <i>Nonlinear Processes in Geophysics</i> , 1998, 5, 3-12.	0.6	2
27	Numerical simulation of solitary wave attenuation by vegetation with non-hydrostatic model. <i>Journal of Physics: Conference Series</i> , 2019, 1192, 012039.	0.3	2
28	Analysis of bay bathymetry elements on wave amplification: a case study of the tsunami in Palu Bay. <i>Coastal Engineering Journal</i> , 2021, 63, 433-445.	0.7	2
29	The Momentum Conserving Scheme for Two-Layer Shallow Flows. <i>Fluids</i> , 2021, 6, 346.	0.8	2
30	THE MOMENTUM CONSERVATIVE SCHEME FOR WAVE RUN-UP ON A SLOPING BEACH. <i>Advances and Applications in Fluid Mechanics</i> , 2018, 21, 493-510.	0.1	2
31	Finite volume method for simulations of traffic dynamics with exits and entrances. <i>ANZIAM Journal</i> , 0, 60, 1.	0.0	2
32	Simulation of shoreline development in a groyne system, with a case study Sanur Bali beach. <i>Journal of Physics: Conference Series</i> , 2018, 971, 012027.	0.3	1
33	Two-Layer Non-Hydrostatic Model for Generation and Propagation of Interfacial Waves. <i>China Ocean Engineering</i> , 2019, 33, 65-72.	0.6	1
34	Two-Layer Non-Hydrostatic Scheme for Simulations of Wave Runup. <i>Journal of Earthquake and Tsunami</i> , 2019, 13, 1941004.	0.7	1
35	Numerical Simulation of Wave Runup and Overtopping for Short and Long Waves Using Staggered Grid Variational Boussinesq. <i>Journal of Earthquake and Tsunami</i> , 2020, 14, 2040005.	0.7	1
36	Transparent boundary condition for the momentum conservative scheme of the shallow water equations. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 618, 012007.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Longshore Submerged Wave Breaker for a Reflecting Beach. East Asian Journal on Applied Mathematics, 2012, 2, 47-58.	0.4	0
38	The SWASH model for soliton splitting due to decreasing depth. , 2014, , .		0
39	Reflection wave on sloping beach. , 2014, , .		0
40	Natural frequency of regular basins. , 2014, , .		0
41	Simulation of nonlinear surface waves generated by submarine landslides. AIP Conference Proceedings, 2016, , .	0.3	0
42	Three-Layer Non-hydrostatic Staggered Scheme for Free Surface Flow. East Asian Journal on Applied Mathematics, 2017, 7, 643-657.	0.4	0
43	Numerical simulation of internal wave propagation over a variable topography. IOP Conference Series: Earth and Environmental Science, 2018, 162, 012012.	0.2	0
44	Spectral method for vorticity-streamfunction equations, with application to Rayleigh-Benard convection. Journal of Physics: Conference Series, 2019, 1127, 012066.	0.3	0
45	Analysis of steady river flow through a sluice gate with a case study of Ciliwung River. Journal of Physics: Conference Series, 2019, 1192, 012042.	0.3	0
46	Steady Flow Profile Analysis of Ciliwung River Using Standard Step Method Simultaneous Procedures. Journal of Physics: Conference Series, 2019, 1192, 012065.	0.3	0
47	Neural Network Modelling on Wave Dissipation Due to Mangrove Forest. , 2020, , .		0
48	ANALYSIS OF CELL TRANSMISSION MODEL FOR TRAFFIC FLOW SIMULATION WITH APPLICATION TO NETWORK TRAFFIC. ANZIAM Journal, 2021, 63, 84-99.	0.3	0
49	Wave energy reduction in Sonneratia sp. mangrove forest. Applied Mathematical Sciences, 0, 8, 4749-4762.	0.0	0
50	A Hydrodynamic Model for Dispersive Waves Generated by Bottom Motion. Springer Proceedings in Mathematics and Statistics, 2014, , 449-456.	0.1	0
51	Analysis of cell transmission model for traffic flow simulation with application to network traffic. ANZIAM Journal, 0, 63, 84-99.	0.0	0
52	The Momentum Conserving Scheme Implementation for Simulating Dambreak Flow in a Channel with Various Contractions. IOP Conference Series: Earth and Environmental Science, 2021, 925, 012012.	0.2	0