

# Young-Il Jang

## List of Publications by Year in descending order

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35  
papers

332  
citations

1040056

9  
h-index

940533

16  
g-index

35  
all docs

35  
docs citations

35  
times ranked

378  
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study on the hazard assessment and mechanical properties of porous concrete utilizing coal bottom ash coarse aggregate in Korea. <i>Journal of Hazardous Materials</i> , 2009, 166, 348-355.	12.4	72
2	Bond strength prediction for deformed steel rebar embedded in recycled coarse aggregate concrete. <i>Materials and Design</i> , 2015, 83, 257-269.	7.0	61
3	A study on the seawater purification characteristics of water-permeable concrete using recycled aggregate. <i>Resources, Conservation and Recycling</i> , 2010, 54, 658-665.	10.8	37
4	Crack damage mitigation and shear behavior of shear-dominant reinforced concrete beams repaired with strain-hardening cement-based composite. <i>Composites Part B: Engineering</i> , 2015, 79, 6-19.	12.0	34
5	A Study on Mechanical Properties of Porous Concrete Using Cementless Binder. <i>International Journal of Concrete Structures and Materials</i> , 2016, 10, 527-537.	3.2	23
6	Mechanical Properties of Energy Efficient Concretes Made with Binary, Ternary, and Quaternary Cementitious Blends of Fly Ash, Blast Furnace Slag, and Silica Fume. <i>International Journal of Concrete Structures and Materials</i> , 2016, 10, 97-108.	3.2	19
7	Microstructure and Mechanical Properties of Cement Mortar Containing Phase Change Materials. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 943.	2.5	15
8	Bonding Behavior of Deformed Steel Rebars in Sustainable Concrete Containing both Fine and Coarse Recycled Aggregates. <i>Materials</i> , 2017, 10, 1082.	2.9	14
9	Photocatalytic and Pozzolanic Properties of Nano-SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> Powder for Functional Mortar. <i>Materials</i> , 2019, 12, 1037.	2.9	11
10	Evaluation of Reducing NO and SO <sub>2</sub> Concentration in Nano SiO <sub>2</sub> -TiO <sub>2</sub> Photocatalytic Concrete Blocks. <i>Materials</i> , 2021, 14, 7182.	2.9	8
11	Shear behavior of strain-hardening cement composite walls under quasi-static cyclic loading. <i>Engineering Structures</i> , 2017, 143, 398-409.	5.3	7
12	Strength and Water Purification Properties of Environment-Friendly Construction Material Produced with the (D)PAOs and Zeolite. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 972.	2.5	6
13	Chloride Resistance of Concrete with Marine Blended Cement Using Corrosion Resistant Mineral Admixture. <i>Advanced Materials Research</i> , 0, 831, 23-26.	0.3	4
14	Engineering Performance and Applicability of Environmental Friendly Porous Concrete for a Marine Ranch Using Steel Industry By-products. <i>Journal of the Korea Concrete Institute</i> , 2013, 25, 115-123.	0.2	4
15	Performance Evaluation of Semiplastic Recycled Cold Asphalt Using Noncement Binders. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-9.	1.8	3
16	The effect of mineral admixture on the compressive strength development of concrete. <i>Contemporary Engineering Sciences</i> , 0, 8, 541-547.	0.2	3
17	Mechanical Properties of Water-Permeable Concrete Using Coated Recycled Aggregates and Material for Performance Improvement. <i>Advanced Materials Research</i> , 2013, 831, 258-262.	0.3	2
18	The job classification system and certification lists of construction industry-focused on construction technicians. <i>Contemporary Engineering Sciences</i> , 0, 7, 1053-1060.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Finite element analysis for structural evaluation of marine loading arm. Contemporary Engineering Sciences, 0, 8, 387-392.	0.2	2
20	Influence of Cold Weather on Compressive Strength in High Performance with Silica Fume. Key Engineering Materials, 0, 627, 445-448.	0.4	1
21	The Behavior of Pseudo Strain-Hardening Cementitious Composite (PSH2C) Using Synthetic Fibers under Uniaxial Tensile Loading. Key Engineering Materials, 0, 627, 449-452.	0.4	1
22	Prestressed effect of reinforced concrete frame with grid shape steel element. Contemporary Engineering Sciences, 0, 9, 95-101.	0.2	1
23	Experimental Study on Engineering Performance Evaluation and Field Performance of Environmentally Friendly Functional Concrete. Journal of the Korea Concrete Institute, 2012, 24, 165-172.	0.2	1
24	Strength and dissipated energy of steel fiber reinforced concrete link beams. Contemporary Engineering Sciences, 0, 8, 549-555.	0.2	1
25	The Effects of Expansive Additive on Rapid Hardening Cement Grout for Semi-Rigid Pavement. Advanced Materials Research, 0, 831, 376-379.	0.3	0
26	Stiffness and Energy Dissipation of Steel Coupling Beam Embedded in the PSH2C and Normal Concrete Shear Wall. Applied Mechanics and Materials, 2013, 351-352, 556-559.	0.2	0
27	Physical Properties of Waste Concrete Recycled Aggregates According to Coating Factor. Applied Mechanics and Materials, 2013, 395-396, 439-442.	0.2	0
28	The Seismic Behavior of Pseudo Strain-Hardening Cementitious Composites Coupling Beams with Polyvinyl Alcohol Fiber. Applied Mechanics and Materials, 0, 353-356, 2119-2122.	0.2	0
29	Studies on key skills for jobs that on-site professionals from construction industry demand. Contemporary Engineering Sciences, 0, 7, 1061-1069.	0.2	0
30	Strengthening of non-seismic reinforced concrete frames with steel element. Contemporary Engineering Sciences, 0, 8, 817-823.	0.2	0
31	Marine-organism adhesion characteristics of porous concrete produced with recycled aggregate and specially treated granular fertilizer. Contemporary Engineering Sciences, 0, 8, 1001-1011.	0.2	0
32	A qualitative research on the job ability of architects. Contemporary Engineering Sciences, 0, 8, 1111-1117.	0.2	0
33	Durability of recycled asphalt pavement using cementless binders and polymers. Contemporary Engineering Sciences, 0, 8, 641-651.	0.2	0
34	Numerical prediction for bond stress-slip relationship between deformed steel rebar and recycled coarse aggregate concrete. Contemporary Engineering Sciences, 0, 8, 485-490.	0.2	0
35	Temperature Loss Compensation for Semi-adiabatic Test Using Newton's Law of Cooling. Journal of the Korea Concrete Institute, 2018, 30, 189-196.	0.2	0