

In-Tae Kim

List of Publications by Year in descending order

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26
papers

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docs citations

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324
citing authors

#	ARTICLE	IF	CITATIONS
1	Residual compressive strength of locally corroded intermediate tubular steel columns. <i>Engineering Failure Analysis</i> , 2022, 138, 106375.	1.8	3
2	Evaluation of tensile strength of painted steel w/ local corrosion at structural connections. <i>Journal of Constructional Steel Research</i> , 2021, 177, 106449.	1.7	6
3	A simple approach for evaluating the stress concentration factor of a corroded surface using the fast Fourier transform. <i>Engineering Failure Analysis</i> , 2020, 115, 104612.	1.8	3
4	Residual Compressive Strength of Short Tubular Steel Columns with Artificially Fabricated Local Corrosion Damage. <i>Materials</i> , 2020, 13, 813.	1.3	8
5	A Method for Estimating Time-Dependent Corrosion Depth of Carbon and Weathering Steel Using an Atmospheric Corrosion Monitor Sensor. <i>Sensors</i> , 2019, 19, 1416.	2.1	20
6	Detectability of Subsurface Defects with Different Width-to-Depth Ratios in Concrete Structures Using Pulsed Thermography. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1.	1.1	21
7	Synthesis and Irreversible Thermochromic Sensor Applications of Manganese Violet. <i>Materials</i> , 2018, 11, 1693.	1.3	17
8	Compressive strength evaluation of circular tubular short columns with locally corroded ends. <i>Journal of Constructional Steel Research</i> , 2018, 149, 31-40.	1.7	17
9	A Time-Dependent Corrosion Characteristic of a Steel Member in Contact with Concrete. <i>International Journal of Steel Structures</i> , 2018, 18, 976-992.	0.6	6
10	Fatigue Resistance Improvement of Welded Joints by Bristle Roll-Brush Grinding. <i>International Journal of Steel Structures</i> , 2018, 18, 1631-1638.	0.6	11
11	An approach for evaluating tensile strength of painted steel plates from the surface rusting grade. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 510-516.	0.7	5
12	Effect of corrosion on the tension behavior of painted structural steel members. <i>Journal of Constructional Steel Research</i> , 2017, 133, 256-268.	1.7	23
13	Residual clamping force of bolt connections caused by sectional damage of nuts. <i>Journal of Constructional Steel Research</i> , 2017, 136, 204-214.	1.7	18
14	Synthesis and Thermochromic Properties of Cr-Doped Al ₂ O ₃ for a Reversible Thermochromic Sensor. <i>Materials</i> , 2017, 10, 476.	1.3	29
15	Relationships between Imperfections and Shear Buckling Resistance in Web Plate with Sectional Damage Caused by Corrosion. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-12.	1.0	1
16	Residual compressive strength of inclined steel tubular members with local corrosion. <i>Applied Ocean Research</i> , 2016, 59, 498-509.	1.8	44
17	Clamping force loss of high-strength bolts as a result of bolt head corrosion damage: Experimental research A. <i>Engineering Failure Analysis</i> , 2016, 59, 509-525.	1.8	37
18	Tensile behaviors of friction bolt connection with bolt head corrosion damage: Experimental research B. <i>Engineering Failure Analysis</i> , 2016, 59, 526-543.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Locally Corroded Stiffener Effect on Shear Buckling Behaviors of Web Panel in the Plate Girder. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-19.	1.0	2
20	Shear buckling experiments of web panel with pitting and through-thickness corrosion damage. <i>Journal of Constructional Steel Research</i> , 2015, 115, 290-302.	1.7	34
21	Fatigue strength improvement of welded joints by blast cleaning for subsequent painting. <i>International Journal of Steel Structures</i> , 2013, 13, 11-20.	0.6	7
22	Fatigue strength improvement of longitudinal fillet welded out-of-plane gusset joints using air blast cleaning treatment. <i>International Journal of Fatigue</i> , 2013, 48, 289-299.	2.8	15
23	Residual shear strength of steel plate girder due to web local corrosion. <i>Journal of Constructional Steel Research</i> , 2013, 89, 198-212.	1.7	42
24	Shear failure behaviors of a web panel with local corrosion depending on web boundary conditions. <i>Thin-Walled Structures</i> , 2013, 73, 302-317.	2.7	30
25	Experimental evaluation of shear buckling behaviors and strength of locally corroded web. <i>Journal of Constructional Steel Research</i> , 2013, 83, 75-89.	1.7	55
26	Fatigue life evaluation of welded joints under combined normal and shear stress cycles. <i>International Journal of Fatigue</i> , 2005, 27, 695-701.	2.8	22