

# Koji Gotoh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/867606/publications.pdf>

Version: 2024-02-01

37  
papers

267  
citations

1307594

7  
h-index

940533

16  
g-index

37  
all docs

37  
docs citations

37  
times ranked

112  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue crack propagation for a through thickness crack: a crack propagation law considering cyclic plasticity near the crack tip. <i>International Journal of Fatigue</i> , 2004, 26, 983-992.	5.7	86
2	Fatigue life assessment for welded structures without initial defects: an algorithm for predicting fatigue crack growth from a sound site. <i>International Journal of Fatigue</i> , 2004, 26, 993-1002.	5.7	48
3	Fracture control of extremely thick welded steel plates applied to the deck structure of large container ships. <i>Journal of Marine Science and Technology</i> , 2013, 18, 497-514.	2.9	18
4	Numerical simulation of fatigue crack propagation under biaxial tensile loadings with phase differences. <i>Marine Structures</i> , 2015, 42, 53-70.	3.8	18
5	Global cutting-path optimization considering the minimum heat effect with microgenetic algorithms. <i>Journal of Marine Science and Technology</i> , 2004, 9, 70.	2.9	17
6	Fatigue crack growth behaviour of A5083 series aluminium alloys and their welded joints. <i>Journal of Marine Science and Technology</i> , 2011, 16, 343-353.	2.9	12
7	Numerical simulation of fatigue crack propagation under superimposed stress histories containing different frequency components with several mean stress conditions. <i>Marine Structures</i> , 2015, 41, 77-95.	3.8	8
8	Automatic two-dimensional layout using a rule-based heuristic algorithm. <i>Journal of Marine Science and Technology</i> , 2003, 8, 37-46.	2.9	6
9	Numerical simulations of fatigue crack initiation and propagation based on re-tensile plastic zone generating load criterion for in-plane gusset welded joints. <i>Journal of Marine Science and Technology</i> , 2009, 14, 104-114.	2.9	6
10	Development of interlink wear estimation method for mooring chain of floating structures: Validation and new approach using three-dimensional contact response. <i>Marine Structures</i> , 2021, 77, 102927.	3.8	6
11	A study on the angular distortion in tee type full penetrated welded joint fabricated by the laser-arc hybrid welding. <i>Welding International</i> , 2017, 31, 911-919.	0.7	5
12	Approximate weight functions of stress intensity factor for a wide range shapes of surface and an embedded elliptical crack. <i>Marine Structures</i> , 2020, 70, 102696.	3.8	5
13	Fatigue Crack Growth Behaviour of an Out-of-Plane Gusset Welded Joints under Biaxial Tensile Loadings with Different Phases. , 2014, 3, 1536-1541.		4
14	Practical Formula of the Shape Evolution of a Surface Crack Under Fatigue Loading. , 2015, , .		4
15	Expansion of laser-arc hybrid welding to horizontal and vertical-up welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 495-506.	2.5	4
16	Numerical Simulation of Fatigue Crack Growth of a Welded Structural Component Under Block Program Fatigue Test. , 2014, , .		3
17	Fatigue strength of austenitic stainless steels applied to chemical tankers. <i>Journal of the Japan Society of Naval Architects and Ocean Engineers</i> , 2012, 16, 89-97.	0.2	3
18	Numerical Simulation of Fatigue Crack Propagation under Variable Amplitude Loading Containing Two Different Frequency Components. <i>Journal of the Japan Society of Naval Architects and Ocean Engineers</i> , 2013, 17, 75-81.	0.2	2

#	ARTICLE	IF	CITATIONS
19	A Study on The Angular Distortion in Tee Type Full Penetrated Welded Joint Fabricated by The Laser-arc Hybrid Welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 194-201.	0.5	2
20	Fatigue surface crack growth behavior in flat plate and out-of-plane gusset-welded joints under biaxial cyclic loads with different phases. Journal of Marine Science and Technology, 2020, 26, 655.	2.9	2
21	Fatigue crack propagation under the condition where the superimposed stress history with different frequency components given intermittently. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 19-24.	0.5	2
22	A Study on Adopting $\hat{b}$ -Shape Groove for Laser-Arc Hybrid Welding to Construct Thick Plate Butt Welded Joints. Welding International, 2020, 34, 357-371.	0.7	2
23	Improved Point Load Weight Function for Stress Intensity Factor of a Surface and an Embedded Crack. Journal of the Japan Society of Naval Architects and Ocean Engineers, 2013, 17, 65-73.	0.2	1
24	Numerical Simulation of Fatigue Crack Propagation Considering Closure of Initial Defect Surfaces under Compressive Loading. Journal of the Japan Society of Naval Architects and Ocean Engineers, 2017, 26, 131-143.	0.2	1
25	Fatigue Crack Growth Behaviour of an Out-of-plane Gusset Welded Joints under In-plane Biaxial Tensile Loadings with Different Phases. Journal of the Japan Society of Naval Architects and Ocean Engineers, 2017, 26, 157-164.	0.2	1
26	A Study on Adopting $\hat{b}$ -Shape Groove for Laser-Arc Hybrid Welding to Construct Thick Plate Butt Welded Joints. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 403-417.	0.5	1
27	Numerical Simulation of Fatigue Crack Propagation. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2014, 83, 544-548.	0.1	0
28	Comprehensive study of structural integrity of non-load-carrying fillet-welded joint effect with large gap size. Journal of Marine Science and Technology, 2015, 20, 752-764.	2.9	0
29	Practical Determination Method of the Threshold Stress Intensity Factor Range <math>K_{th}</math>. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 149-153.	0.5	0
30	A Study of Automatic Measurement Method of RPG (Re-tensile Plastic zone's Generated) load. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2021, 39, 125-131.	0.5	0
31	Paper Review of "Fatigue surface crack growth behavior in flat plate and out-of-plane gusset-welded joints under biaxial cyclic loads with different phases". Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2021, 90, 357-358.	0.1	0
32	OS14F029 A Conventional Growth Estimation Formula of the Representative Surface Crack Replacing Plural Surface Cracks Generated at the Sound Stress Concentration Site. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, OS14F029- OS14F029-.	0.0	0
33	OS14-3-1 A Conventional Growth Estimation Formula of the Representative Surface Crack Replacing Plural Surface Cracks Generated at the Sound Stress Concentration Site. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, OS14-3-1-.	0.0	0
34	NUMERICAL STUDY ON FRACTURE RESISTANCE PERFORMANCE OF BEAM-ENDS IN STEEL FRAMES. Journal of Structural and Construction Engineering, 1999, 64, 111-118.	0.5	0
35	Fatigue crack propagation under the condition where the superimposed stress history with different frequency components acts intermittently. Welding International, 2019, 33, 55-62.	0.7	0
36	A study of automatic measurement method of RPG (Re-tensile Plastic zone's Generated) Load. Welding International, 2021, 35, 483-491.	0.7	0

#	ARTICLE	IF	CITATIONS
37	Experimental Study on Wear Coefficient of Mooring Chain for Floating Offshore Structures. Journal of the Japan Society of Naval Architects and Ocean Engineers, 2021, 34, 63-71.	0.2	0