

Kotaro Doi

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Formation of Calcium Hydroxy Zincate on Zinc by Hyperbaric-oxygen. Zairyo To Kankyo/ Corrosion Engineering, 2022, 71, 21-29.	0.0	0
2	Corrosion Resistance of Titanium. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2022, 73, 33-37.	0.1	0
3	Dissolution and Repassivation of Metallic Biomaterials in Bio-mechanochemical Environment. Materia Japan, 2022, 61, 393-398.	0.1	0
4	Development of Hyperbaric-Oxygen Accelerated Corrosion Test and Application to Study on Corrosion of Reinforcing Steel in Concrete. Materia Japan, 2021, 60, 296-300.	0.1	0
5	Micromechanical properties of steel corrosion products in concrete studied by nano-indentation technique. Corrosion Science, 2020, 163, 108304.	3.0	24
6	Role of mill scale on corrosion behavior of steel rebars in mortar. Corrosion Science, 2020, 177, 108995.	3.0	18
7	Diagnostic Technique for Corrosion of Reinforcing Steel Inside Concrete. Materia Japan, 2020, 59, 313-320.	0.1	2
8	Microbubble flows in superwetttable fluidic channels. RSC Advances, 2019, 9, 21220-21224.	1.7	4
9	Corrosion Behavior of Reinforcing Steel with Mill Scale in Concrete. ECS Meeting Abstracts, 2019, , .	0.0	0
10	Wear behavior of HPT processed UFG AZ31B magnesium alloy. Materials Letters, 2018, 227, 194-198.	1.3	22
11	Effects of Oxygen Pressure and Chloride Ion Concentration on Corrosion of Iron in Mortar Exposed to Pressurized Humid Oxygen Gas. Journal of the Electrochemical Society, 2018, 165, C582-C589.	1.3	17
12	Coalescence delay of microbubbles on superhydrophobic/superhydrophilic surfaces underwater. Applied Physics Letters, 2018, 113, 033705.	1.5	3
13	Hyperbaric-Oxygen Accelerated Corrosion Test of Iron in Cement Paste and Mortar. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2018, 82, 1-7.	0.2	2
14	CORROSION RESISTANCE OF SD345 STEEL IN A SOLUTION THAT SIMULATES CONCRETE WITH Cl⁻. Journal of Japan Society of Civil Engineers Ser E2 (Materials and Concrete) Tj ETQq0 0 0 rgBT /Overdock 10 T250 217 Td		
15	Hyperbaric-Oxygen Accelerated Corrosion Test for Iron in Cement Paste and Mortar. Materials Transactions, 2018, 59, 927-934.	0.4	10
16	Fatigue of Metallic Biomaterials. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 346-350.	0.1	0
17	7r1/4Žç”ÿă1/2“ç””ăfžă,ăfă,ă, ăfă:é†ă@è...éžÿè©•ă¾¼ă~è;”éçæ”1è3ă. Denki Kagaku, 2018, 86, 236-241.	0.0	0
18	Hydrogen Entry into an AISI 4135 High Strength Steel in Tribocorrosion Environment. ECS Transactions, 2017, 75, 33-41.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Self-Healing Behavior of Sodium Polyacrylate-Hydroxyapatite Coatings on Biodegradable Magnesium Alloy. <i>Corrosion</i> , 2017, 73, 1461-1477.	0.5	12
20	Hydrogen Entry into a High Strength Steel with Tribocorrosion in Acidic Solution. <i>Transactions of Japan Society of Spring Engineers</i> , 2017, 2017, 9-14.	0.1	1
21	Acceleration of Fe Corrosion in Cement Paste and Mortar By Enhancing Oxygen Supply. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
22	Effect of Combination of Anionic Polymer with Calcium Phosphate Coating on Corrosion Behavior of Magnesium Alloy in Physiological Solution. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
23	Corrosion Monitoring of Reinforcing Bar in Concrete Under Different Corrosive Environments. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
24	Corrosion Behavior of Carbon Steel Under Environment Simulated inside of Concrete Containing Chloride Ion. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
25	Degradation of Ti-6Al-4V alloy under cyclic loading in a simulated body environment with cell culturing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 56, 6-13.	1.5	13
26	Crack Initiation of Type 316L Stainless Steel Under Cyclic Deformation in Simulated Body Fluid. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	1
27	Hydrogen Entry into an AISI 4135 High Strength Steel in Tribocorrosion Environment. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
28	Electrochemical Behavior of Type 316L Stainless Steel during Cyclic Deformation under Cell Culturing. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015, 79, 303-307.	0.2	0
29	Dissolution and Repassivation with Passivity Breakdown of Various Metallic Biomaterials in Bio-Mechano-Chemical Environment. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015, 64, 981-988.	0.1	3
30	Electrochemical Behavior of Type 316L Stainless Steel during Cyclic Deformation under Cell Culturing. <i>Materials Transactions</i> , 2014, 55, 1890-1894.	0.4	13
31	Breakdown of Passive Films and Repassivation of Ti-6Al-4 V Alloy with Rapid Elongation in Simulated Body Fluid including Osteoblast-like Cells. <i>Journal of the Electrochemical Society</i> , 2013, 160, C576-C580.	1.3	13
32	Metal Dissolution and Repassivation of Ti-6Al-4V Alloy during Rapid Elongation in Simulated Body Fluid including Osteoblast-like Cells. <i>ECS Transactions</i> , 2013, 50, 1-10.	0.3	3