

Kotaro Doi

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

165
citations

1039406

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1125271

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32
all docs

32
docs citations

32
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Micromechanical properties of steel corrosion products in concrete studied by nano-indentation technique. <i>Corrosion Science</i> , 2020, 163, 108304.	3.0	24
2	Wear behavior of HPT processed UFG AZ31B magnesium alloy. <i>Materials Letters</i> , 2018, 227, 194-198.	1.3	22
3	Role of mill scale on corrosion behavior of steel rebars in mortar. <i>Corrosion Science</i> , 2020, 177, 108995.	3.0	18
4	Effects of Oxygen Pressure and Chloride Ion Concentration on Corrosion of Iron in Mortar Exposed to Pressurized Humid Oxygen Gas. <i>Journal of the Electrochemical Society</i> , 2018, 165, C582-C589.	1.3	17
5	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
6	Electrochemical Behavior of Type 316L Stainless Steel during Cyclic Deformation under Cell Culturing. <i>Materials Transactions</i> , 2014, 55, 1890-1894.	0.4	13
7	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
8	Self-Healing Behavior of Sodium Polyacrylate-Hydroxyapatite Coatings on Biodegradable Magnesium Alloy. <i>Corrosion</i> , 2017, 73, 1461-1477.	0.5	12
9	Hyperbaric-Oxygen Accelerated Corrosion Test for Iron in Cement Paste and Mortar. <i>Materials Transactions</i> , 2018, 59, 927-934.	0.4	10
10	Microbubble flows in superwetable fluidic channels. <i>RSC Advances</i> , 2019, 9, 21220-21224.	1.7	4
11	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
12	Coalescence delay of microbubbles on superhydrophobic/superhydrophilic surfaces underwater. <i>Applied Physics Letters</i> , 2018, 113, 033705.	1.5	3
13	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
14	Hydrogen Entry into an AISI 4135 High Strength Steel in Tribocorrosion Environment. <i>ECS Transactions</i> , 2017, 75, 33-41.	0.3	2
15	Hyperbaric-Oxygen Accelerated Corrosion Test of Iron in Cement Paste and Mortar. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2018, 82, 1-7.	0.2	2
16	CORROSION RESISTANCE OF SD345 STEEL IN A SOLUTION THAT SIMULATES CONCRETE WITH Cl ^{sup></sup>. <i>Journal of Japan Society of Civil Engineers Ser E2 (Materials and Concrete)</i> Tj ETQq0 0 0 rgBT /Overlock 10 T650 137 Td}		
17	Diagnostic Technique for Corrosion of Reinforcing Steel Inside Concrete. <i>Materia Japan</i> , 2020, 59, 313-320.	0.1	2
18	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

#	ARTICLE	IF	CITATIONS
19	Crack Initiation of Type 316L Stainless Steel Under Cyclic Deformation in Simulated Body Fluid. ECS Meeting Abstracts, 2016, , .	0.0	1
20	Electrochemical Behavior of Type 316L Stainless Steel during Cyclic Deformation under Cell Culturing. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 303-307.	0.2	0
21	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
22	Hydrogen Entry into an AISI 4135 High Strength Steel in Tribocorrosion Environment. ECS Meeting Abstracts, 2016, , .	0.0	0
23	Acceleration of Fe Corrosion in Cement Paste and Mortar By Enhancing Oxygen Supply. ECS Meeting Abstracts, 2017, , .	0.0	0
24	Effect of Combination of Anionic Polymer with Calcium Phosphate Coating on Corrosion Behavior of Magnesium Alloy in Physiological Solution. ECS Meeting Abstracts, 2017, , .	0.0	0
25	Corrosion Monitoring of Reinforcing Bar in Concrete Under Different Corrosive Environments. ECS Meeting Abstracts, 2017, , .	0.0	0
26	Corrosion Behavior of Carbon Steel Under Environment Simulated inside of Concrete Containing Chloride Ion. ECS Meeting Abstracts, 2017, , .	0.0	0
27	Fatigue of Metallic Biomaterials. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2018, 69, 346-350.	0.1	0
28	7i¼Žç”Ÿä½“ç””ăfžă,ăăfă,ă, ăăăé†ăăè...éŸè©•ă¼jăăëj”éçæ”1è³ă. Denki Kagaku, 2018, 86, 236-241.	0.0	0
29	Corrosion Behavior of Reinforcing Steel with Mill Scale in Concrete. ECS Meeting Abstracts, 2019, , .	0.0	0
30	Rapid Formation of Calcium Hydroxy Zincate on Zinc by Hyperbaric-oxygen. Zairyo To Kankyo/Corrosion Engineering, 2022, 71, 21-29.	0.0	0
31	Corrosion Resistance of Titanium. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2022, 73, 33-37.	0.1	0
32	Dissolution and Repassivation of Metallic Biomaterials in Bio-mechanochemical Environment. Materia Japan, 2022, 61, 393-398.	0.1	0