

V S Raja

List of Publications by Year in descending order

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139
papers

3,448
citations

172386

29
h-index

182361

51
g-index

152
all docs

152
docs citations

152
times ranked

2571
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the structure and corrosion behavior of PEO coatings on AM50 magnesium alloy by electrochemical impedance spectroscopy. <i>Surface and Coatings Technology</i> , 2008, 202, 3513-3518.	2.2	245
2	Influence of curing temperature, silica nanoparticles- and cerium on surface morphology and corrosion behaviour of hybrid silane coatings on mild steel. <i>Surface and Coatings Technology</i> , 2009, 203, 2260-2271.	2.2	154
3	Characterisation of stress corrosion cracking (SCC) of Mg-Al alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 488, 339-351.	2.6	150
4	The role of anions in the formation and corrosion resistance of the plasma electrolytic oxidation coatings. <i>Surface and Coatings Technology</i> , 2010, 204, 1469-1478.	2.2	149
5	Hot corrosion of YSZ/Al ₂ O ₃ dispersed NiCrAlY plasma-sprayed coatings in Na ₂ SO ₄ -10 wt.% NaCl melt. <i>Corrosion Science</i> , 2010, 52, 2592-2602.	3.0	104
6	Low temperature embrittlement of duplex stainless steel: Correlation between mechanical and electrochemical behavior. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3904-3912.	2.6	100
7	Low temperature thermal aging of austenitic stainless steel welds: Kinetics and effects on mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 534, 163-175.	2.6	97
8	Effect of reverted austenite on mechanical properties of precipitation hardenable 17-4 stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 568, 127-133.	2.6	85
9	Enhancing stress corrosion cracking resistance in Al-Zn-Mg-Cu-Zr alloy through inhibiting recrystallization. <i>Engineering Fracture Mechanics</i> , 2010, 77, 249-256.	2.0	76
10	Stress corrosion cracking. , 2011, , .		74
11	Hot corrosion behavior of solution precursor and atmospheric plasma sprayed thermal barrier coatings. <i>Corrosion Science</i> , 2015, 98, 271-279.	3.0	71
12	Stress corrosion cracking of a recent rare-earth containing magnesium alloy, EV31A, and a common Al-containing alloy, AZ91E. <i>Corrosion Science</i> , 2013, 71, 1-9.	3.0	68
13	Hot corrosion behaviour of plasma sprayed YSZ/Al ₂ O ₃ dispersed NiCrAlY coatings on Inconel-718 superalloy. <i>Surface and Coatings Technology</i> , 2009, 204, 291-299.	2.2	63
14	Low temperature thermal ageing embrittlement of austenitic stainless steel welds and its electrochemical assessment. <i>Corrosion Science</i> , 2012, 54, 278-290.	3.0	62
15	Effect of annealing below the crystallization temperature on the corrosion behavior of Al-Ni-Y metallic glasses. <i>Corrosion Science</i> , 2014, 84, 54-65.	3.0	62
16	Study of plasma nitriding and nitrocarburizing for higher corrosion resistance and hardness of 2205 duplex stainless steel. <i>Corrosion Science</i> , 2015, 100, 121-132.	3.0	58
17	AC impedance study on the activation mechanism of aluminium by indium and zinc in 3.5% NaCl medium. <i>Corrosion Science</i> , 1997, 39, 2053-2065.	3.0	55
18	Electrochemical impedance study of thermally sprayable polyethylene coatings. <i>Corrosion Science</i> , 2009, 51, 595-601.	3.0	55

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19	Graphene-based anticorrosive coatings for copper. RSC Advances, 2018, 8, 499-507.	1.7	49
20	Influence of Multistep Aging on the Stress Corrosion Cracking Behavior of Aluminum Alloy 7010. Corrosion, 2003, 59, 881-889.	0.5	46
21	Influence of nitrogen on the pitting corrosion behavior of 904L weld clad. Corrosion Science, 1998, 40, 1609-1625.	3.0	44
22	Corrosion resistant quaternary Al-Cr-Mo-N coating on type 316L stainless steel bipolar plates for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2020, 45, 3094-3107.	3.8	43
23	Hydrogen embrittlement susceptibility of over aged 7010 Al-alloy. Journal of Materials Science, 2006, 41, 5495-5499.	1.7	42
24	Influence of Heat Treatment and Scandium Addition on the Electrochemical Polarization Behavior of Al-Zn-Mg-Cu-Zr Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 2843-2852.	1.1	42
25	The stress-corrosion cracking susceptibility of near- β titanium alloy IMI 834 in presence of hot salt. Corrosion Science, 2014, 82, 191-196.	3.0	42
26	Thermally sprayable polyethylene coatings for marine environment. Progress in Organic Coatings, 2007, 60, 186-193.	1.9	39
27	Effect of plasma immersion ion implantation of nitrogen on the wear and corrosion behavior of 316LVM stainless steel. Surface and Coatings Technology, 2007, 201, 8131-8135.	2.2	38
28	Development of high strength AA 7010 aluminum alloy resistant to environmentally assisted cracking. Corrosion Science, 2016, 109, 94-100.	3.0	35
29	Effect of deformation on the electrochemical behavior of hot-dip galvanized steel sheets. Applied Surface Science, 2007, 253, 8415-8421.	3.1	34
30	Effect of Al content on oxidation behaviour of ternary Fe-Al-C alloys. Intermetallics, 2002, 10, 73-84.	1.8	31
31	Effect of carbon on corrosion behaviour of Fe ₃ Al intermetallics in 0.5 N sulphuric acid. Corrosion Science, 2002, 44, 521-533.	3.0	30
32	Role of chlorides on pitting and hydrogen embrittlement of Mg-Mn wrought alloy. Corrosion Science, 2013, 75, 176-183.	3.0	29
33	X-Ray Photoelectron Spectroscopic Study of the Oxide Film on an Aluminum-Tin Alloy in 3.5% Sodium Chloride Solution. Corrosion, 1997, 53, 808-812.	0.5	28
34	Effect of Externally Added Molybdate on Repassivation and Stress Corrosion Cracking of Type 304 Stainless Steel in Hydrochloric Acid. Corrosion, 1996, 52, 243-249.	0.5	27
35	Corrosion behaviour of solar reflector coatings on AA 2024T3 - an electrochemical impedance spectroscopy study. Corrosion Science, 2002, 44, 387-393.	3.0	27
36	Stress corrosion cracking behavior of magnesium alloys EV31A and AZ91E. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 583, 169-176.	2.6	27

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37	Maleic acid grafted low density polyethylene for thermally sprayable anticorrosive coatings. <i>Progress in Organic Coatings</i> , 2006, 55, 20-26.	1.9	26
38	Hot corrosion behavior of plasma sprayed powder-solution precursor hybrid thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2018, 349, 452-461.	2.2	26
39	Electrochemical characterization of oxide film formed at high temperature on Alloy 690. <i>Nuclear Engineering and Design</i> , 2012, 243, 69-75.	0.8	25
40	An Alternative Explanation for the Apparent Passivation of Molybdenum in 1 mol/L Hydrochloric Acid. <i>Journal of the Electrochemical Society</i> , 2001, 148, B132.	1.3	24
41	Encapsulating 8-hydroxyquinoline in graphene oxide-stabilized polystyrene containers and its anticorrosion performance. <i>Journal of Materials Science</i> , 2016, 51, 10262-10277.	1.7	24
42	Effect of manganese addition on the appearance, morphology, and corrosion resistance of hot-dip galvanized zinc coating. <i>Surface and Coatings Technology</i> , 2021, 421, 127377.	2.2	24
43	Determination of true stress corrosion cracking susceptibility index of a high strength Al alloy using glycerin as the non-corrosive atmosphere. <i>Scripta Materialia</i> , 2004, 51, 1075-1079.	2.6	23
44	Enrichment efficiency of noble alloying elements on magnesium and effect on hydrogen evolution. <i>Corrosion Science</i> , 2019, 151, 206-218.	3.0	23
45	Effect of Widmanstatten Structure on Protection Potential of Ti-6Al-2Sn-4Zr-2Mo (0.1Si) Alloy in 1 M NaBr Solution. <i>Corrosion</i> , 1993, 49, 2-7.	0.5	22
46	The self regulating nature of In on the potential of Al in 3.5% NaCl solution. <i>Corrosion Science</i> , 1997, 39, 1285-1289.	3.0	22
47	Environmentally assisted cracking behavior of peak-aged 7010 aluminum alloy containing scandium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005, 36, 3257-3262.	1.1	22
48	Stress Corrosion Cracking Behavior of Multipass TIG-Welded AA2219 Aluminum Alloy in 3.5wt% NaCl Solution. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3135-3148.	1.1	22
49	Development of highly hard and corrosion resistant A286 stainless steel through plasma nitrocarburizing process. <i>Surface and Coatings Technology</i> , 2015, 280, 268-276.	2.2	22
50	Electrochemical impedance behavior of graphite-dispersed electrically conducting acrylic coating on AZ31 magnesium alloy in 3.5wt.% NaCl solution. <i>Progress in Organic Coatings</i> , 2010, 67, 12-19.	1.9	21
51	Effect of Grain-Boundary Corrosion on Impedance Characteristics of an Aluminum-Zinc-Indium Alloy in 3.5% Sodium Chloride Solution. <i>Corrosion</i> , 1996, 52, 138-142.	0.5	20
52	Development of anti-corrosive paint with improved toughness using carboxyl terminated modified epoxy resin. <i>Progress in Organic Coatings</i> , 2018, 120, 58-70.	1.9	20
53	Mitigating Intergranular Stress Corrosion Cracking in Age-Hardenable Al-Zn-Mg-Cu Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 2487-2498.	1.1	19
54	Study of plasma nitriding and nitrocarburising of AISI 430F stainless steel for high hardness and corrosion resistance. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 51-58.	0.7	19

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55	Effect of Carbon on the Long-Term Oxidation Behavior of Fe ₃ Al Iron Aluminides. <i>Oxidation of Metals</i> , 2002, 57, 449-471.	1.0	18
56	Effect of nitrogen addition on the microstructure and mechanical behavior of 317L and 904L austenitic stainless steel welds. <i>Journal of Materials Science</i> , 2006, 41, 2097-2112.	1.7	18
57	Role of coarse intermetallic particles on the environmentally assisted cracking behavior of peak aged and over aged Al–Zn–Mg–Cu–Zr alloy during slow strain rate testing. <i>Journal of Materials Science</i> , 2007, 42, 5458-5464.	1.7	18
58	Environmentally assisted cracking behaviour of Al–Zn–Mg–Cu–Cr alloy bonded with polymer matrix composite stiffener. <i>Corrosion Science</i> , 2013, 75, 318-325.	3.0	18
59	Use of Sodium Bicarbonate as a Chloride-Free Aqueous Electrolyte to Explore Film Formation and the Negative Difference Effect on Pure Magnesium. <i>Journal of the Electrochemical Society</i> , 2018, 165, C849-C859.	1.3	18
60	Effect of alloyed molybdenum on corrosion behavior of plasma immersion nitrogen ion implanted austenitic stainless steel. <i>Corrosion Science</i> , 2013, 74, 106-115.	3.0	17
61	Stress corrosion cracking of a wrought Mg–Mn alloy under plane strain and plane stress conditions. <i>Engineering Fracture Mechanics</i> , 2013, 102, 180-193.	2.0	17
62	Hot Salt Stress Corrosion Cracking Behavior of Ti-6242S Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 6081-6089.	1.1	17
63	Anodic activation of Mg in the presence of In ³⁺ ions in dilute sodium chloride solution. <i>Electrochimica Acta</i> , 2019, 293, 199-210.	2.6	17
64	Influence of strontium on electrochemical corrosion behavior of hot-dip galvanized coating. <i>Surface and Coatings Technology</i> , 2009, 203, 3092-3098.	2.2	16
65	Microstructural and kinetic aspects of devitrification of Fe ₄₀ Ni ₄₀ B ₂₀ metallic glass. <i>Journal of Materials Science</i> , 1990, 25, 4667-4677.	1.7	15
66	An electrochemical study on deformed galvanized steel sheets. <i>Surface and Coatings Technology</i> , 2006, 201, 2296-2302.	2.2	15
67	Effect of Low-Temperature Sensitization on Intergranular Stress Corrosion Cracking Behavior of Austenitic Stainless Steels in Simulated Boiling Water Reactor Environment. <i>Corrosion</i> , 2009, 65, 726-740.	0.5	15
68	Stress corrosion cracking (SCC) of aluminium alloys. , 2011, , 307-340.		15
69	Factors affecting corrosion behavior of inclusion containing stainless steels: A scanning electrochemical microscopic study. <i>Materials Characterization</i> , 2013, 77, 109-115.	1.9	15
70	Analysis of Film Formation in High Chromium White Iron Hardfacing Alloys in Alkaline Solution using EIS and SIMS. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018, 4, 1.	1.2	15
71	Effect of Repair Welding on Electrochemical Corrosion and Stress Corrosion Cracking Behavior of TIG Welded AA2219 Aluminum Alloy in 3.5% NaCl Solution. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 3151-3160.	1.1	14
72	Effect of Thermomechanical Treatment on the Environmentally Induced Cracking Behavior of AA7075 Alloy. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 545-555.	1.2	14

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73	Role of temper conditions on the hydrogen embrittlement behavior of AA 7010. Corrosion Science, 2019, 152, 211-217.	3.0	14
74	Evaluation of blistering performance of pigmented and unpigmented alkyd coatings using electrochemical impedance spectroscopy. Surface and Coatings Technology, 1998, 107, 1-11.	2.2	13
75	Scanning Auger electron spectroscopy study of the oxide film formed on dendritic and interdendritic regions of C containing Fe3Al intermetallic. Corrosion Science, 2003, 45, 2717-2728.	3.0	13
76	Long-term sulfidation behaviour of Fe3Al-Fe3AlCo.69 iron aluminides. Intermetallics, 2003, 11, 119-128.	1.8	13
77	Thermally sprayable grafted LDPE/nanoclay composite coating for corrosion protection. Surface and Coatings Technology, 2011, 205, 5470-5477.	2.2	13
78	Effect of long term exposure and hydrogen effects on HSSCC behaviour of titanium alloy IMI 834. Materials and Design, 2015, 86, 841-847.	3.3	12
79	Effect of chromium and aluminum addition on anisotropic and microstructural characteristics of ball milled nanocrystalline iron. Journal of Alloys and Compounds, 2016, 671, 164-169.	2.8	12
80	On Improving the Quality of Gas Tungsten Arc Welded 18Ni 250 Maraging Steel Rocket Motor Casings. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4655-4666.	1.1	12
81	Change in fracture mode and selective dissolution of austenitic stainless steels. Scripta Metallurgica Et Materialia, 1995, 33, 233-238.	1.0	11
82	Effect of Molybdenum and Silicon on the Electrochemical Corrosion Behavior of FeNiB Metallic Glasses. Corrosion, 1988, 44, 263-270.	0.5	10
83	Stress Corrosion Cracking of a New Rare- Earth Containing Magnesium Alloy, Elektron21 Compared with AZ91E. Materials Science Forum, 0, 690, 361-364.	0.3	10
84	Structural Evolution during Milling, Annealing, and Rapid Consolidation of Nanocrystalline Fe10Cr3Al Powder. Materials, 2017, 10, 272.	1.3	10
85	Electron Spectroscopy for Chemical Analysis Study of Corrosion Films Formed on Manganese Stainless Steels. Corrosion, 1999, 55, 1119-1126.	0.5	9
86	Effect of nitrogen addition on the stress corrosion cracking behavior of 904L stainless steel welds in 288°C deaerated water. Corrosion Science, 2006, 48, 2317-2331.	3.0	9
87	Corrosion characterisation of laser beam and tungsten inert gas weldment of nickel base alloys: Micro-cell technique. Corrosion Science, 2015, 93, 1-8.	3.0	9
88	Corrosion Resistant Al-Cr-Mo Alloy Coating on Type 316L Stainless Steel Bipolar Plates for Proton Exchange Membrane Fuel Cell Applications. Fuel Cells, 2019, 19, 708-723.	1.5	9
89	Crystallization behaviour of Metglas 2826 MB (Fe40Ni38Mo4B18). Bulletin of Materials Science, 1987, 9, 207-217.	0.8	8
90	Reduction of interconnected porosity in zirconia-based thermal barrier coating. Surface and Coatings Technology, 1995, 73, 198-200.	2.2	8

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91	Title is missing!. Journal of Materials Science, 1998, 33, 3345-3350.	1.7	8
92	Parametric studies of formation and morphology of sub-micron sized GO stabilized PS/GO containers encapsulating 8-HQ. Polymer, 2017, 118, 116-126.	1.8	8
93	Explanation for anomalous environmentally assisted cracking behaviour of a wrought Mg-Mn alloy in chloride medium. Corrosion Science, 2017, 115, 8-17.	3.0	8
94	Study of Diffusible Behavior of Hydrogen in First Generation Advanced High Strength Steels. Metals, 2021, 11, 782.	1.0	8
95	Study of influence of manganese additions on electrochemical corrosion behaviour of austenitic spheroidal graphite iron. Corrosion Engineering Science and Technology, 1986, 21, 87-94.	0.3	7
96	Role of Centrifugal Casting on Electrochemical Corrosion Behavior of A356-SiCp Composite in 3.5 wt.% NaCl. Journal of Materials Engineering and Performance, 2018, 27, 4210-4224.	1.2	7
97	The reliability of metastable pit sizes estimated from dissolution current in aluminium alloys. Corrosion Science, 2021, 182, 109276.	3.0	7
98	A comparative study of stress-corrosion cracking behaviour of three manganese-containing stainless steels in boiling MgCl ₂ solution. Journal of Materials Science Letters, 1995, 14, 1254-1255.	0.5	6
99	Effect of Al on the Long-Term Oxidation Behavior of Fe-0.5C Alloys. High Temperature Materials and Processes, 2002, 21, 143-156.	0.6	6
100	Pilling Corrosion and Stress Corrosion Behavior of Austenitic Stainless Steel Weldments and the Role of Nitrogen - A Review. Corrosion Reviews, 2003, 21, 1-26.	1.0	6
101	Influence of Retrogression and Re-aging on the Exfoliation Corrosion Behavior of AA 7085 Sheets. Corrosion Science and Technology, 2016, 15, 159-165.	0.2	6
102	Technical note</i>Comparative study of intergranular corrosion behaviour of three high manganese austenitic stainless steels. Corrosion Engineering Science and Technology, 1996, 31, 153-157.	0.3	5
103	Intergranular Corrosion Susceptibility of Alloy 600 after Autogenous Tungsten Inert Gas and Laser Beam Welding using Electrochemical Technique. High Temperature Materials and Processes, 2014, 33, 137-146.	0.6	5
104	Environmentally assisted cracking susceptibility of dark etched HAZ/ parent metal interface region of 18Ni 250 maraging steel weldment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 774, 138911.	2.6	5
105	Nanocrystalline structure remarkably enhances oxidation resistance of Fe-20Cr-5Al alloy. Journal of Alloys and Compounds, 2022, 900, 163568.	2.8	5
106	Oxidation Behaviour of Ni-Base Superalloys in Supercritical Water: A Review. Journal of the Indian Institute of Science, 2022, 102, 351-389.	0.9	5
107	Passivation and stress corrosion cracking tendency of manganese stainless steels. Journal of Materials Science, 1996, 31, 3989-3993.	1.7	4
108	Effect of aluminium on electrochemical corrosion behaviour of Fe-0.5C and Fe-1C alloys in 0.25M H ₂ SO ₄ . Corrosion Engineering Science and Technology, 2003, 38, 235-238.	0.7	4

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109	Enhancing the Localized Corrosion Resistance of High Strength 7010 Al-Alloy. <i>Advanced Materials Research</i> , 0, 138, 1-6.	0.3	4
110	Stability of oxide film formed at different temperatures on Alloy 600 in lithiated environment. <i>Journal of Nuclear Materials</i> , 2013, 437, 188-195.	1.3	4
111	Comparing Reactivation Behavior of TIG and Laser Beam Welded Alloy 690. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 427-432.	1.2	4
112	Effect of Environment on the Work Hardening Behavior of AA 7004. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 1465-1476.	1.1	4
113	Electrochemical corrosion behaviours of Fe ₆₈ Ni _{14-x} Mo _x Si ₂ B ₁₆ metallic glasses in 1N HCl and 1N H ₂ SO ₄ . <i>Journal of Materials Science</i> , 1997, 32, 2071-2075.	1.7	3
114	ENVIRONMENTALLY-ASSISTED CRACKING OF ENGINEERING MATERIALS - AN INSIGHT. <i>Corrosion Reviews</i> , 2009, 27, 147-180.	1.0	3
115	Interface electrochemical corrosion behaviour of alclad Al-Zn-Mg-Cu-Cr Al alloy adhesively bonded with carbon fibre reinforced plastic stiffener. <i>Corrosion Engineering Science and Technology</i> , 2014, 49, 116-123.	0.7	3
116	Effect of Mo Addition on the Corrosion Behavior of Al-40Cr-xMo Coatings on Type 316L Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 1933-1944.	1.1	3
117	Hot Salt Stress Corrosion Cracking Study of Selective Laser Melted Ti-6Al-4V Alloy. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5323-5332.	1.2	3
118	<l>Technical note</l> Comparative study of intergranular corrosion behaviour of three high manganese austenitic stainless steels. <i>Corrosion Engineering Science and Technology</i> , 1996, 31, 153-157.	0.3	3
119	Understanding the role of matrix precipitates on the environmentally assisted cracking behavior of AA 7050 alloy. <i>Corrosion Science</i> , 2022, 201, 110281.	3.0	3
120	A Comparative Study of Semiconducting Behavior of Passive Film of High Nitrogen and Ni and Mn Free Stainless Steels in 3.5 wt. % NaCl. <i>Advanced Materials Research</i> , 2013, 794, 626-631.	0.3	2
121	Role of Magnesia Stabilized Zirconia Dispersion on the Hot Corrosion Behaviour of NiCrAlY Plasma-Sprayed Coatings in Na ₂ SO ₄ +50wt% V ₂ O ₅ and Na ₂ SO ₄ +10wt% NaCl Melts at 800°C. <i>Transactions of the Indian Institute of Metals</i> , 2016, 69, 869-879.	0.7	2
122	Effect of under layer metallic coating composition on phosphating and the corrosion performance for automobile applications. <i>Corrosion</i> , 0, , .	0.5	2
123	In situ development of aluminides on titanium. <i>Journal of Materials Science Letters</i> , 1997, 16, 417-419.	0.5	1
124	Electrochemical Characterization of Low Temperature Thermal Aging Embrittlement of Stainless Steel 304L Weld. <i>Materials Science Forum</i> , 0, 702-703, 689-692.	0.3	1
125	Failure Analysis Procedure with Reference to Corrosion Failures. , 2015, , 111-118.		1
126	Enhancing the Environmentally Assisted Cracking Resistance of Aircraft Quality Al Alloy of Type AA7075 Stiffened with Polymer Matrix Composite Using Cerium Chloride Inhibitor. <i>Transactions of the Indian Institute of Metals</i> , 2018, 71, 3021-3027.	0.7	1

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127	Temporal Evolution of Anodically Activated Cathodic Kinetics on Magnesium Through Atmospheric Exposure. Corrosion, 2019, 75, 687-692.	0.5	1
128	Effect of buffer chemistries on the electrochemical corrosion behaviour of three metallic materials. Corrosion Engineering Science and Technology, 2021, 56, 210-218.	0.7	1
129	In Situ Investigation of the Role of Hydrogen Evolution on the Estimated Metastable Pit Sizes in an Al-Mg Alloy. Corrosion, 2021, 77, 923-932.	0.5	1
130	Influence of low-temperature sensitization on stress corrosion cracking of 304LN stainless steels. , 2008, , 163-172.		1
131	Study of Hot Salt Stress Corrosion Crack Initiation of Alloy IMI 834 by using DC Potential Drop Method. Corrosion Science and Technology, 2016, 15, 203-208.	0.2	1
132	Precursor Events in Environmentally Assisted Cracking Behaviour of Light Metals. Corrosion Science and Technology, 2016, 15, 153-158.	0.2	1
133	Corrosion control for achieving sustainable development. Corrosion Engineering Science and Technology, 2018, 53, 1-1.	0.7	0
134	Role of Precipitation on the Hydrogen Embrittlement Behavior of IN 718. Transactions of the Indian Institute of Metals, 2021, 74, 223-233.	0.7	0
135	Epoxy@8-HQ@PS/GO composite coatings: Size effect and the loading of fillers on the self-healing and passive protection. Progress in Organic Coatings, 2021, 158, 106352.	1.9	0
136	Environmentally Assisted Cracking Behavior of 18Ni 250 Maraging Steel Welds Obtained with and Without Flux in Chloride Media. Corrosion, 2021, 77, 85-96.	0.5	0
137	Effect of Nanocrystalline Structure on the Oxidation Behavior of Fe@20Cr@3Al Alloy at High Temperatures. Oxidation of Metals, 2022, 97, 307.	1.0	0
138	Development of an Efficient Acid Pickling Bath for Hot-Rolled Steel Coil. Transactions of the Indian Institute of Metals, 0, , .	0.7	0
139	Effect of 3.5 wt.% NaCl and cathodic charging on the atomic strain distribution of a plastically deformed AA 7004. Corrosion, 0, , .	0.5	0