

Norinsan Kamil Othman

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Critical Behaviour and Magnetism of MnCoGe _{0.97} Al _{0.03} Compounds. <i>Crystals</i> , 2022, 12, 205.	1.0	2
2	Combining Heat Treatment and High-Pressure Torsion to Enhance the Hardness and Corrosion Resistance of A356 Alloy. <i>Metals</i> , 2022, 12, 853.	1.0	5
3	Experimental and Theoretical Studies on Extract of Date Palm Seed as a Green Anti-Corrosion Agent in Hydrochloric Acid Solution. <i>Molecules</i> , 2021, 26, 3535.	1.7	12
4	The Effect of H ₂ S Pressure on the Formation of Multiple Corrosion Products on 316L Stainless Steel Surface. <i>Scientific World Journal</i> , The, 2020, 2020, 1-11.	0.8	6
5	The Effect of Different Concentrations of Calcium Silicate-Maghemite Coating Towards Magnetic Behavior and Bioactivity. <i>Sains Malaysiana</i> , 2020, 49, 653-660.	0.3	2
6	The morphology of Pb-free Sn-3.0Ag-0.5Cu solder reinforced by NiO nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	3
7	Microstructural Evaluation and Corrosion Resistance of Semisolid Cast A356 Alloy Processed by Equal Channel Angular Pressing. <i>Metals</i> , 2019, 9, 303.	1.0	12
8	Electrochemical migration and corrosion behaviours of SAC305 reinforced by NiO, Fe ₂ O ₃ , TiO ₂ nanoparticles in NaCl solution. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 701, 012044.	0.3	8
9	Characterization of SAC-x NiO nano-reinforced lead-free solder joint in an ultra-fine package assembly. <i>Soldering and Surface Mount Technology</i> , 2019, 31, 109-124.	0.9	14
10	The correlation between structural and reduction kinetics of carbon from agricultural waste with hematite. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1720-1728.	2.6	10
11	Optimisation of gaseous nitriding process parameters for hard surface layer of duplex stainless steel. <i>International Journal of Materials Engineering Innovation</i> , 2019, 10, 165.	0.2	1
12	The influence of Fe ₂ O ₃ nano-reinforced SAC lead-free solder in the ultra-fine electronics assembly. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 717-733.	1.5	14
13	The effect of molten salt on high temperature behavior of stainless steel and titanium alloy with the presence of water vapor. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
14	SAC-xTiO ₂ nano-reinforced lead-free solder joint characterizations in ultra-fine package assembly. <i>Soldering and Surface Mount Technology</i> , 2018, 30, 1-13.	0.9	30
15	In Vitro Biodegradation and Mechanical Properties of Mg-Zn Alloy and Mg-Zn-Hydroxyapatite Composite Produced by Mechanical Alloying for Potential Application in Bone Repair. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 5888-5903.	1.1	15
16	Effect of Phosphorus and Nickel on Electrochemical Migration of Sn-3Ag-0.7Cu Solder Paste in Simulated Body Fluid. <i>Solid State Phenomena</i> , 2018, 273, 61-65.	0.3	4
17	Kesan Suhu Celupan ke atas Mikrostruktur dan Kekerasan Salutan Aluminium pada Keluli Karbon. <i>Sains Malaysiana</i> , 2018, 47, 1251-1257.	0.3	1
18	Kelakuan Migrasi Elektrokimia Pateri SAC305 dalam Larutan Natrium Hidroksida pada Kepekatan yang Pelbagai. <i>Sains Malaysiana</i> , 2018, 47, 1867-1872.	0.3	1

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19	Investigation of corrosion on SAC 305, SAC 0307 and SAC 0307-0.03 P-0.005 Ni solder paste alloys in simulated body fluid (SBF). AIP Conference Proceedings, 2017, , .	0.3	2
20	Synthesis of Magnesium-Doped ZnO Rods via Hydrothermal Method: A Study of the Structural and Optical Properties. ECS Journal of Solid State Science and Technology, 2017, 6, P571-P577.	0.9	7
21	Nano-silicate inhibitor derived from rice husk for corrosion mitigation of steel in distilled water. AIP Conference Proceedings, 2017, , .	0.3	2
22	Mechanical and structural evaluation of friction stir welded 6061 aluminium alloy lap joints at different welding speeds. Metallic Materials, 2016, 54, 351-361.	0.2	5
23	High Sensitivity pH Sensor Based on Porous Silicon (PSi) Extended Gate Field-Effect Transistor. Sensors, 2016, 16, 839.	2.1	68
24	Amperometric Non-Enzymatic Hydrogen Peroxide Sensor Based on Aligned Zinc Oxide Nanorods. Sensors, 2016, 16, 1004.	2.1	23
25	Backward Compatibility Solder Joint Formation at High Peak Reflow Temperature for Aerospace Applications. Arabian Journal for Science and Engineering, 2016, 41, 1813-1823.	1.1	4
26	Perlindungan Biokakisan Keluli Karbon akibat Bakteria Penurun Sulfat yang Dipencil daripada Minyak Mentah Tropika. Sains Malaysiana, 2016, 45, 1835-1841.	0.3	1
27	Efficiency of inhibitor for biocorrosion influenced by consortium sulfate reducing bacteria on carbon steel. AIP Conference Proceedings, 2015, , .	0.3	1
28	Enhancement of corrosion resistance of carbon steel by Dioscorea Hispida starch in NaCl. AIP Conference Proceedings, 2015, , .	0.3	3
29	A New Approach towards Improving the Specific Energy and Specific Power of a Carbon-Based Supercapacitor using Platinum-Nanoparticles on Etched Stainless Steel Current Collector. Electrochemistry, 2015, 83, 1053-1060.	0.6	9
30	Investigation of electrochemical migration on Sn-0.7Cu-0.3Ag-0.03P-0.005Ni solder alloy in HNO ₃ solution. AIP Conference Proceedings, 2015, , .	0.3	6
31	The influence of temperature on the inhibition of carbon steel corrosion in acidic lignin. Anti-Corrosion Methods and Materials, 2015, 62, 301-306.	0.6	13
32	Corrosion behavior of Al6061 alloy weldment produced by friction stir welding process. Journal of Materials Research and Technology, 2015, 4, 314-322.	2.6	64
33	Reflow Optimization Process: Thermal Stress Using Numerical Analysis and Intermetallic Spallation in Backwards Compatibility Solder Joints. Arabian Journal for Science and Engineering, 2015, 40, 1669-1679.	1.1	9
34	A Study on the UV Photoresponse of Hydrothermally Grown Zinc Oxide Nanorods With Different Aspect Ratios. IEEE Sensors Journal, 2015, 15, 6811-6818.	2.4	26
35	Corrosion behavior of friction stir welded lap joints of AA6061-T6 aluminum alloy. Materials Research, 2014, 17, 672-681.	0.6	29
36	Radiolytic Formation of Fe ₃ O ₄ Nanoparticles: Influence of Radiation Dose on Structure and Magnetic Properties. PLoS ONE, 2014, 9, e90055.	1.1	54

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37	Investigation of the nugget zone corrosion behavior in friction stir welded lap joints of 6061-T6 aluminum alloy. <i>Materials Research</i> , 2014, 17, 1563-1574.	0.6	7
38	Effects of thermal cycling on the mechanical properties of gold wire bonding. , 2014, , .		0
39	High Temperature Storage and Gamma Radiation Effects on Mechanical Properties of Stacked Die Package. <i>Advanced Materials Research</i> , 2014, 895, 567-570.	0.3	0
40	Investigation of high temperature corrosion behavior on 304L austenite stainless steel in corrosive environments. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	11
41	Tannin bark <i>Melalauca cajuputi powell</i> (gelam) as green corrosion inhibitor of mild steel. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	11
42	Characterization of Oxide Growth on Surface of Al-Mg-Si Welded Joint. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-10.	1.0	10
43	Properties and Growth Rate of Intermetallic Al-Fe through Hot Dipped Aluminizing. <i>Advanced Materials Research</i> , 2014, 980, 3-7.	0.3	4
44	Microstructural evolution and micromechanical properties of gamma-irradiated Au ball bonds. <i>Materials Characterization</i> , 2014, 93, 129-135.	1.9	15
45	Influence of rotational speed on mechanical properties of friction stir lap welded 6061-T6 Al alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 1004-1011.	1.7	22
46	pH-dependent magnetic phase transition of iron oxide nanoparticles synthesized by gamma-radiation reduction method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 399-407.	0.7	7
47	Effect of Applied Load in the Nanoindentation of Gold Ball Bonds. <i>Journal of Electronic Materials</i> , 2013, 42, 1063-1072.	1.0	5
48	A review on radiation-induced nucleation and growth of colloidal metallic nanoparticles. <i>Nanoscale Research Letters</i> , 2013, 8, 474.	3.1	191
49	Effect of silicate-based corrosion inhibitor from rice husk ash on aluminum alloy in 0.5M HCl. , 2013, , .		2
50	The inhibition of carbon steel corrosion by lignin in HCl and H ₂ SO ₄ . , 2013, , .		1
51	Morphological and microstructural studies on aluminizing coating of carbon steel. , 2013, , .		0
52	Gamma-irradiation effect on material properties behaviour of semiconductor package. , 2013, , .		2
53	High temperature corrosion of welded ferritic stainless steel in flowing CO ₂ gas. , 2013, , .		0
54	Inhibitive effects of palm kernel oil on carbon steel corrosion by alkaline solution. , 2013, , .		2

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55	Electrochemical impedance spectroscopy study on corrosion inhibition of benzyltriethylammonium chloride. AIP Conference Proceedings, 2013, , .	0.3	13
56	Influence of temperature on corrosion inhibition for carbon steel by rice straw extract in HCl solution: Synergistic effect of cationic surfactant. , 2013, , .		5
57	Investigation of SiO ₂ :Na ₂ O ratio as a corrosion inhibitor for metal alloys. , 2013, , .		1
58	Oxidation behaviour of ferritic stainless steel grade Crofer 22 APU at 700 Â°C in flowing Ar~75%CO ₂ ~12%H ₂ O. , 2013, , .		1
59	The Effect of Double Sided Gas Metal Arc Weld with ER4043 and ER5356 Filler Metals on AA 6061-T6 Plates. Advanced Science Letters, 2013, 19, 918-921.	0.2	0
60	Radiation exposure induced failure on semiconductor package material. , 2012, , .		1
61	Nanoindentation creep analysis of gold ball bond. , 2012, , .		1
62	Characteristics of ZnO nanostructures produced with [DMIm]BF ₄ using ultrasonic radiation. , 2012, , .		0
63	Some thoughts on bondability and strength of gold wire bonding. Gold Bulletin, 2012, 45, 115-125.	1.1	23
64	Synthesis and Characterization of ZnO, CuO and CuO/ZnO Nanostructures by a Novel Sol-Gel Route under Ultrasonic Conditions. Advanced Materials Research, 2012, 545, 64-70.	0.3	2
65	Nanoindentation Stereometry of Wire Bonding. Advanced Science Letters, 2012, 13, 474-477.	0.2	0
66	Effect of water vapour on cyclic oxidation of Fe~Cr alloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 496-503.	0.8	12
67	Gamma Irradiation Effect on Load-Deflection Curve of Semiconductor Package. Advanced Materials Research, 2011, 399-401, 912-915.	0.3	1
68	Effect of Gamma-Irradiation towards Stress-Strain Curve of Single Die QFN Package. Materials Science Forum, 2011, 694, 620-624.	0.3	3
69	Corrosion Behavior of Fe-Cr Alloys in Ar-10%O ₂ Atmosphere. Key Engineering Materials, 2011, 462-463, 1250-1254.	0.4	1
70	The re-evaluation of mechanical properties of wire bonding. , 2011, , .		1
71	Effect of Different Filler Towards Welding of AA6061 Al Alloy by X-Ray CT Scan. Advanced Materials Research, 2010, 146-147, 1402-1405.	0.3	2
72	The Effect of Filler ER4043 and ER5356 on Porosity Distribution of Welded AA6061 Aluminum Alloy. Advanced Materials Research, 2010, 146-147, 987-990.	0.3	1

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73	Nanoindentation Test for the Stiffness Distribution Analysis of Bonded Au Ball Bonds. Advanced Materials Research, 0, 154-155, 674-677.	0.3	2
74	The Effect of Underfill Fillet Geometry to Die Edge Stress for Flip Chip Packaging. Advanced Materials Research, 0, 148-149, 1108-1111.	0.3	1
75	Effects of Lanthanum on Fe-25Cr Alloys under Cyclic Oxidation. Advanced Materials Research, 0, 97-101, 1212-1215.	0.3	6
76	The Effect of Filler Metals on Mechanical Properties of 6 Mm AA 6061-T6 Welded Joints. Advanced Materials Research, 0, 154-155, 873-876.	0.3	4
77	Effect of Porosity on Tensile Behaviour of Welded AA6061-T6 Aluminium Alloy. Applied Mechanics and Materials, 0, 66-68, 534-539.	0.2	10
78	Oxidation Effect of Welded AA6061 Al Alloy Using ER5356 Filler Metal. Applied Mechanics and Materials, 0, 66-68, 42-45.	0.2	2
79	Oxidation Effect on Welded AA6061 Al Alloy Using ER4043 Filler Metal. Applied Mechanics and Materials, 0, 66-68, 46-49.	0.2	0
80	Post-Weld Oxidation Behavior of AA6061 Al Alloy. Advanced Materials Research, 0, 399-401, 2087-2090.	0.3	0
81	The Effect of Double Pass GMAW Process on Microstructure and Mechanical Properties of Aa 6061-T6 Joining Plates. Key Engineering Materials, 0, 510-511, 98-104.	0.4	2
82	High Temperature Corrosion of Fe-30Cr in Flowing CO ₂ Gas. Advanced Materials Research, 0, 501, 165-168.	0.3	0
83	The Performance of Nanosilicate from Rice Husk Ash as Green Corrosion Inhibitor for Carbon Steel in 0.5M HCl. Materials Science Forum, 0, 756, 266-272.	0.3	6
84	Synthesis of CdS Nanoparticles via AOT-Water-n-Heptane Microemulsion Technique. Materials Science Forum, 0, 756, 85-90.	0.3	2
85	Bondability and Strength Evaluation of Gold Ball Bond Using Nanoindentation Approach. Key Engineering Materials, 0, 700, 132-141.	0.4	0
86	Electrochemical Migration Behaviours of Low Silver Content Solder Alloy SAC 0307 on Printed Circuit Boards (PCBs) in NaCl Solution. Materials Science Forum, 0, 846, 3-12.	0.3	8
87	Nanoindentation Study on Heat Treated Gold Wire Bonding. Materials Science Forum, 0, 857, 31-35.	0.3	0
88	The Relationship between XRD Peak Intensity and Mechanical Properties of Irradiated Lead-Free Solder. Materials Science Forum, 0, 888, 423-427.	0.3	6
89	Electrochemical and XPS Studies of Benzalkonium Chloride for Carbon Steel Protection in Hydrochloric Acid. Materials Science Forum, 0, 888, 382-388.	0.3	2
90	High Temperature Oxidation Behaviour of Ni-Cr ₃ , Ti- and Fe-Based Alloys in Flowing Wet Gas Environment. Materials Science Forum, 0, 888, 418-422.	0.3	1

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91	Characterisation of Reduction of Iron Ore with Carbonaceous Materials. Solid State Phenomena, 0, 280, 433-439.	0.3	10
92	Dimethyl Sulfoxide-Treated Starch of Dioscorea hispida as a Green Corrosion Inhibitor for Low Carbon Steel in Sodium Chloride Medium. , 0, , .		7