

Norinsan Kamil Othman

List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A review on radiation-induced nucleation and growth of colloidal metallic nanoparticles. <i>Nanoscale Research Letters</i> , 2013, 8, 474.	3.1	191
2	High Sensitivity pH Sensor Based on Porous Silicon (PSi) Extended Gate Field-Effect Transistor. <i>Sensors</i> , 2016, 16, 839.	2.1	68
3	Corrosion behavior of Al6061 alloy weldment produced by friction stir welding process. <i>Journal of Materials Research and Technology</i> , 2015, 4, 314-322.	2.6	64
4	Radiolytic Formation of Fe ₃ O ₄ Nanoparticles: Influence of Radiation Dose on Structure and Magnetic Properties. <i>PLoS ONE</i> , 2014, 9, e90055.	1.1	54
5	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
6	Corrosion behavior of friction stir welded lap joints of AA6061-T6 aluminum alloy. <i>Materials Research</i> , 2014, 17, 672-681.	0.6	29
7	A Study on the UV Photoresponse of Hydrothermally Grown Zinc Oxide Nanorods With Different Aspect Ratios. <i>IEEE Sensors Journal</i> , 2015, 15, 6811-6818.	2.4	26
8	Some thoughts on bondability and strength of gold wire bonding. <i>Gold Bulletin</i> , 2012, 45, 115-125.	1.1	23
9	Amperometric Non-Enzymatic Hydrogen Peroxide Sensor Based on Aligned Zinc Oxide Nanorods. <i>Sensors</i> , 2016, 16, 1004.	2.1	23
10	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
11	Microstructural evolution and micromechanical properties of gamma-irradiated Au ball bonds. <i>Materials Characterization</i> , 2014, 93, 129-135.	1.9	15
12	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
13	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
14	Characterization of SAC-xNiO 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
15	Electrochemical impedance spectroscopy study on corrosion inhibition of benzyltriethylammonium chloride. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	13
16	The influence of temperature on the inhibition of carbon steel corrosion in acidic lignin. <i>Anti-Corrosion Methods and Materials</i> , 2015, 62, 301-306.	0.6	13
17	Effect of water vapour on cyclic oxidation of Fe-Cr alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011, 62, 496-503.	0.8	12
18	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

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19	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
20	Investigation of high temperature corrosion behavior on 304L austenite stainless steel in corrosive environments. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	11
21	Tannin bark <i>Melalauca cajuputi powell</i> (gelam) as green corrosion inhibitor of mild steel. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	11
22	Effect of Porosity on Tensile Behaviour of Welded AA6061-T6 Aluminium Alloy. <i>Applied Mechanics and Materials</i> , 0, 66-68, 534-539.	0.2	10
23	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
24	Characterisation of Reduction of Iron Ore with Carbonaceous Materials. <i>Solid State Phenomena</i> , 0, 280, 433-439.	0.3	10
25	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
26	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. <i>Electrochemistry</i> , 2015, 83, 1053-1060.	0.6	9
27	Reflow Optimization Process: Thermal Stress Using Numerical Analysis and Intermetallic Spallation in Backwards Compatibility Solder Joints. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 1669-1679.	1.1	9
28	Electrochemical Migration Behaviours of Low Silver Content Solder Alloy SAC 0307 on Printed Circuit Boards (PCBs) in NaCl Solution. <i>Materials Science Forum</i> , 0, 846, 3-12.	0.3	8
29	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
30	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
31	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
32	Synthesis of Magnesium-Doped ZnO Rods via Hydrothermal Method: A Study of the Structural and Optical Properties. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, P571-P577.	0.9	7
33	Dimethyl Sulfoxide-Treated Starch of <i>Dioscorea hispida</i> as a Green Corrosion Inhibitor for Low Carbon Steel in Sodium Chloride Medium. , 0, , .		7
34	Effects of Lanthanum on Fe-25Cr Alloys under Cyclic Oxidation. <i>Advanced Materials Research</i> , 0, 97-101, 1212-1215.	0.3	6
35	The Performance of Nanosilicate from Rice Husk Ash as Green Corrosion Inhibitor for Carbon Steel in 0.5M HCl. <i>Materials Science Forum</i> , 0, 756, 266-272.	0.3	6
36	Investigation of electrochemical migration on Sn-0.7Cu-0.3Ag-0.03P-0.005Ni solder alloy in HNO ₃ solution. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	6

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37	The Relationship between XRD Peak Intensity and Mechanical Properties of Irradiated Lead-Free Solder. Materials Science Forum, 0, 888, 423-427.	0.3	6
38	The Effect of H ₂ S Pressure on the Formation of Multiple Corrosion Products on 316L Stainless Steel Surface. Scientific World Journal, The, 2020, 2020, 1-11.	0.8	6
39	Effect of Applied Load in the Nanoindentation of Gold Ball Bonds. Journal of Electronic Materials, 2013, 42, 1063-1072.	1.0	5
40	Influence of temperature on corrosion inhibition for carbon steel by rice straw extract in HCl solution: Synergistic effect of cationic surfactant. , 2013, , .		5
41	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
42	Combining Heat Treatment and High-Pressure Torsion to Enhance the Hardness and Corrosion Resistance of A356 Alloy. Metals, 2022, 12, 853.	1.0	5
43	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
44	Properties and Growth Rate of Intermetallic Al-Fe through Hot Dipped Aluminizing. Advanced Materials Research, 2014, 980, 3-7.	0.3	4
45	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
46	Effect of Phosphorus and Nickel on Electrochemical Migration of Sn-3Ag-0.7Cu Solder Paste in Simulated Body Fluid. Solid State Phenomena, 2018, 273, 61-65.	0.3	4
47	Effect of Gamma-Irradiation towards Stress-Strain Curve of Single Die QFN Package. Materials Science Forum, 2011, 694, 620-624.	0.3	3
48	Enhancement of corrosion resistance of carbon steel by Dioscorea Hispida starch in NaCl. AIP Conference Proceedings, 2015, , .	0.3	3
49	The morphology of Pb-free Sn $\hat{=}$ 3.0Ag $\hat{=}$ 0.5Cu solder reinforced by NiO nanoparticles. AIP Conference Proceedings, 2019, , .	0.3	3
50	Nanoindentation Test for the Stiffness Distribution Analysis of Bonded Au Ball Bonds. Advanced Materials Research, 0, 154-155, 674-677.	0.3	2
51	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
52	Oxidation Effect of Welded AA6061 Al Alloy Using ER5356 Filler Metal. Applied Mechanics and Materials, 0, 66-68, 42-45.	0.2	2
53	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
54	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

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55	Effect of silicate-based corrosion inhibitor from rice husk ash on aluminum alloy in 0.5M HCl. , 2013, , .		2
56	Gamma-irradiation effect on material properties behaviour of semiconductor package. , 2013, , .		2
57	Inhibitive effects of palm kernel oil on carbon steel corrosion by alkaline solution. , 2013, , .		2
58	Synthesis of CdS Nanoparticles via AOT-Water-<i>n</i>-<i>i>Heptane Microemulsion Technique. Materials Science Forum, 0, 756, 85-90.	0.3	2
59	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
60	Nano-silicate inhibitor derived from rice husk for corrosion mitigation of steel in distilled water. AIP Conference Proceedings, 2017, , .	0.3	2
61	Electrochemical and XPS Studies of Benzalkonium Chloride for Carbon Steel Protection in Hydrochloric Acid. Materials Science Forum, 0, 888, 382-388.	0.3	2
62	The Effect of Different Concentrations of Calcium Silicate-Maghemite Coating Towards Magnetic Behavior and Bioactivity. Sains Malaysiana, 2020, 49, 653-660.	0.3	2
63	The Critical Behaviour and Magnetism of MnCoGe _{0.97} Al _{0.03} Compounds. Crystals, 2022, 12, 205.	1.0	2
64	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
65	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
66	Gamma Irradiation Effect on Load-Deflection Curve of Semiconductor Package. Advanced Materials Research, 2011, 399-401, 912-915.	0.3	1
67	Corrosion Behavior of Fe-Cr Alloys in Ar-10%O ₂ Atmosphere. Key Engineering Materials, 2011, 462-463, 1250-1254.	0.4	1
68	The re-evaluation of mechanical properties of wire bonding. , 2011, , .		1
69	Radiation exposure induced failure on semiconductor package material. , 2012, , .		1
70	Nanoindentation creep analysis of gold ball bond. , 2012, , .		1
71	The inhibition of carbon steel corrosion by lignin in HCl and H ₂ SO ₄ . , 2013, , .		1
72	Investigation of SiO ₂ :Na ₂ O ratio as a corrosion inhibitor for metal alloys. , 2013, , .		1

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73	Oxidation behaviour of ferritic stainless steel grade Crofer 22 APU at 700 °C in flowing Ar~75%CO ₂ ~12%H ₂ O. , 2013, , .		1
74	Efficiency of inhibitor for biocorrosion influenced by consortium sulfate reducing bacteria on carbon steel. AIP Conference Proceedings, 2015, , .	0.3	1
75	High Temperature Oxidation Behaviour of Ni-Cr, Ti- and Fe-Based Alloys in Flowing Wet Gas Environment. Materials Science Forum, 0, 888, 418-422.	0.3	1
76	Kesan Suhu Celupan ke atas Mikrostruktur dan Kekerasan Salutan Aluminium pada Keluli Karbon. Sains Malaysiana, 2018, 47, 1251-1257.	0.3	1
77	Perlindungan Biokakisan Keluli Karbon akibat Bakteria Penurun Sulfat yang Dipencil daripada Minyak Mentah Tropika. Sains Malaysiana, 2016, 45, 1835-1841.	0.3	1
78	Kelakuan Migrasi Elektrokimia Pateri SAC305 dalam Larutan Natrium Hidroksida pada Kepekatan yang Pelbagai. Sains Malaysiana, 2018, 47, 1867-1872.	0.3	1
79	Optimisation of gaseous nitriding process parameters for hard surface layer of duplex stainless steel. International Journal of Materials Engineering Innovation, 2019, 10, 165.	0.2	1
80	Oxidation Effect on Welded AA6061 Al Alloy Using ER4043 Filler Metal. Applied Mechanics and Materials, 0, 66-68, 46-49.	0.2	0
81	Post-Weld Oxidation Behavior of AA6061 Al Alloy. Advanced Materials Research, 0, 399-401, 2087-2090.	0.3	0
82	High Temperature Corrosion of Fe-30Cr in Flowing CO₂</sub></sub> Gas. Advanced Materials Research, 0, 501, 165-168.	0.3	0
83	Characteristics of ZnO nanostructures produced with [DMIm]BF ₄ using ultrasonic radiation. , 2012, , .		0
84	Morphological and microstructural studies on aluminizing coating of carbon steel. , 2013, , .		0
85	High temperature corrosion of welded ferritic stainless steel in flowing CO ₂ gas. , 2013, , .		0
86	Effects of thermal cycling on the mechanical properties of gold wire bonding. , 2014, , .		0
87	High Temperature Storage and Gamma Radiation Effects on Mechanical Properties of Stacked Die Package. Advanced Materials Research, 2014, 895, 567-570.	0.3	0
88	Bondability and Strength Evaluation of Gold Ball Bond Using Nanoindentation Approach. Key Engineering Materials, 0, 700, 132-141.	0.4	0
89	Nanoindentation Study on Heat Treated Gold Wire Bonding. Materials Science Forum, 0, 857, 31-35.	0.3	0
90	The effect of molten salt on high temperature behavior of stainless steel and titanium alloy with the presence of water vapor. AIP Conference Proceedings, 2018, , .	0.3	0

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91	Nanoindentation Stereometry of Wire Bonding. <i>Advanced Science Letters</i> , 2012, 13, 474-477.	0.2	0
92	The Effect of Double Sided Gas Metal Arc Weld with ER4043 and ER5356 Filler Metals on AA 6061-T6 Plates. <i>Advanced Science Letters</i> , 2013, 19, 918-921.	0.2	0