

# Jongho Park

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

447  
citations

12  
h-index

19  
g-index

62  
ext. papers

521  
ext. citations

2.3  
avg, IF

3.67  
L-index

#	Paper	IF	Citations
60	CuInSe <sub>2</sub> phase formation during Cu <sub>2</sub> Se/In <sub>2</sub> Se <sub>3</sub> interdiffusion reaction. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 3683-3690	2.5	60
59	Electrodeposited Silver Nanowire Transparent Conducting Electrodes for Thin-Film Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6169-6175	9.5	42
58	Simultaneous coating of Si and B on Nb <sub>50</sub> Bi <sub>50</sub> alloys by a halide activated pack cementation method and oxidation behaviors of the alloys with coatings at 1100 °C. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 644, 975-981	5.7	34
57	Oxidation behavior of Nb <sub>50</sub> Bi <sub>50</sub> alloys with the NbSi <sub>2</sub> coating layer formed by a pack cementation technique. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2013</b> , 41, 103-109	4.1	32
56	Positive Deviation from a Hall-Petch Relation in Nanocrystalline Aluminum. <i>Materials Transactions</i> , <b>2009</b> , 50, 640-643	1.3	23
55	Growth kinetics and isothermal oxidation behavior of a Si pack cementation-coated Mo-Si-B alloy. <i>Applied Surface Science</i> , <b>2019</b> , 489, 668-676	6.7	21
54	Surface Protection Effect of Diffusion Pack Cementation Process by Al-Si Powders with Chloride Activator on Magnesium and Its Alloys. <i>Materials Transactions</i> , <b>2008</b> , 49, 1048-1051	1.3	18
53	Oxidation resistance coatings of Mo <sub>50</sub> Bi <sub>50</sub> alloys via a pack cementation process. <i>Metals and Materials International</i> , <b>2008</b> , 14, 1-7	2.4	18
52	Oxidation behaviors of Nb <sub>50</sub> Bi <sub>50</sub> ternary alloys at 1100°C under ambient atmosphere. <i>Intermetallics</i> , <b>2012</b> , 23, 12-19	3.5	17
51	Oxidation of MoSi <sub>2</sub> -Coated and Uncoated TZM (Mo-0.5Ti-0.1Zr-0.02C) Alloys under High Temperature Plasma Flame. <i>Materials Transactions</i> , <b>2013</b> , 54, 1517-1523	1.3	16
50	Microstructure and Mechanical Properties of TiC Nanoparticle-Reinforced Iron-Matrix Composites. <i>Strength of Materials</i> , <b>2014</b> , 46, 177-182	0.6	12
49	Electrical conductivity and tensile properties of severely cold-worked Cu-P based alloy sheets. <i>Metals and Materials International</i> , <b>2010</b> , 16, 657-661	2.4	12
48	Deformation behavior of Zr <sub>40</sub> Al <sub>10</sub> Cu <sub>20</sub> Ni <sub>10</sub> Sn metallic glasses. <i>Journal of Materials Research</i> , <b>2006</b> , 21, 1305-1311	2.5	12
47	Kinetics of Fe <sub>2</sub> Al <sub>5</sub> phase formation on 4130 steel by Al pack cementation and its oxidation resistance. <i>Metals and Materials International</i> , <b>2015</b> , 21, 1-6	2.4	10
46	Oxidation Behavior of MoSi <sub>2</sub> -Coated TZM Alloys during Isothermal Exposure at High Temperatures. <i>Coatings</i> , <b>2018</b> , 8, 218	2.9	9
45	Fabrication of supersaturated Cu-Sn alloy sheets and their antibacterial properties. <i>Metals and Materials International</i> , <b>2011</b> , 17, 441-444	2.4	8
44	Effect of additional Zn on plasticity of large-scale Mg-based nanostructure-dendrite composites. <i>Metals and Materials International</i> , <b>2009</b> , 15, 175-178	2.4	8

43	Oxidation response of Al coated TZM alloys under dynamic plasma flame. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2013</b> , 41, 110-114	4.1	7
42	Oxidation behaviors of the aluminide coated TZM alloy via pack cementation. <i>Physics of Metals and Metallography</i> , <b>2014</b> , 115, 1351-1355	1.2	7
41	Interface Reactions and Synthetic Reaction of Composite Systems. <i>Materials</i> , <b>2010</b> , 3, 264-295	3.5	7
40	Practical application of diffusion pathway analysis for SiC-metal reactions. <i>Metals and Materials International</i> , <b>2006</b> , 12, 231-238	2.4	6
39	Growth Kinetics and Isothermal Oxidation Behavior of Aluminide Pack Coatings on a Multiphase MoSiB Alloy. <i>Oxidation of Metals</i> , <b>2019</b> , 92, 423-437	1.6	5
38	The Technological and Chronological Implication of <sup>14</sup> C Concentrations in Carbon Samples Extracted from Mongolian Cast Iron Artifacts. <i>Radiocarbon</i> , <b>2019</b> , 61, 831-843	4.6	5
37	Interface reactions and reaction synthesis of a high temperature composite system. <i>Metals and Materials International</i> , <b>2007</b> , 13, 1-12	2.4	5
36	Collapse of lamellar structure and stability with the addition of Misch metal (Mm) to the cast Ti-Al-Mo-Nb(Mm) alloys. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 12504-12511	4.3	4
35	Molar Volume Modeling of Ti-Al-Nb and Ti-Al-Mo Ternary Systems. <i>Jom</i> , <b>2015</b> , 67, 1881-1885	2.1	4
34	A Study on the Curing Properties and Viscosities of Non-Conductive Films (NCFs) for Sn-Ag Solder Bump Flip Chip Assembly <b>2018</b> ,		3
33	Ab Initio Calculated Thermodynamic Properties of Mo <sub>5</sub> SiB <sub>2</sub> Phase and Nb <sub>5</sub> SiB <sub>2</sub> Phase. <i>Jom</i> , <b>2013</b> , 65, 1482-1486	2.1	3
32	Effect of Heat Treatment on the Microstructural Characteristics of IN738 Turbine Blade. <i>Materials Science Forum</i> , <b>2011</b> , 695, 405-408	0.4	3
31	Oxidation and Mechanical Behaviors of Two Phase (Mo + T <sub>2</sub> (Mo <sub>5</sub> SiB <sub>2</sub> )) and Three Phase (Mo + T <sub>2</sub> (Mo <sub>5</sub> SiB <sub>2</sub> ) + Mo <sub>3</sub> Si) Alloys at 1 073 K and 1 373 K. <i>Praktische Metallographie/Practical Metallography</i> , <b>2013</b> , 50, 107-128	0.3	3
30	Kinetics for Aluminum Coatings and Degradation Properties of Aluminide - Coated and pre-oxidized Haynes230 Alloys via Pack Cementation Route. <i>Journal of Korean Institute of Metals and Materials</i> , <b>2015</b> , 53, 711-720	1	3
29	Fabrication and Characterization of Epoxy Molding Films (EMFs) for Wafer-Level and Panel-Level Fan Out Packages <b>2018</b> ,		2
28	Microstructural control of Ti-Al-Mo-Nb alloy system with respect to variation of B. <i>Metals and Materials International</i> , <b>2017</b> , 23, 625-631	2.4	2
27	A Study on Nano-Sized Silica Contents and Size Effect in Non-conductive Films (NCFs) for Ultra Fine-Pitch Cu-Pillar/Sn-Ag Micro-Bump Interconnection <b>2017</b> ,		2
26	Comparison of Experimental Methods to Measure the Isothermal Precipitation Kinetics of Nb(C,N) in Austenite of a Nb-Microalloyed Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2009</b> , 40, 1515-1519	2.3	2

25	Oxidation Behaviors of Alloys Containing $\gamma$ B2 Phases of Ti-45Al-Mo-Nb Alloys and Evaluation of the Oxidation Behaviors of Si Pack Cementation Coated Alloys. <i>Journal of Korean Institute of Metals and Materials</i> , <b>2019</b> , 57, 131-137	1	2
24	Structural, magnetic, and magnetocaloric properties of RNiMnO (R = Eu, Gd, Tb). <i>Scientific Reports</i> , <b>2021</b> , 11, 20206	4.9	2
23	Oxidation Behaviors of Si/Al Pack Cementation Coated MoBSiB Alloys at Various Temperatures. <i>Metals and Materials International</i> , <b>2021</b> , 27, 914-921	2.4	2
22	Degradation Properties of Refractory MoNbTaVW High-Entropy Alloys with Simultaneous Si/Al Pack Cementation Coatings Under High-Temperature Flame Tests. <i>Oxidation of Metals</i> , <b>2021</b> , 96, 557	1.6	2
21	Data on the effect of CdS on the lateral collection length of charge carriers for Cu(In,Ga)Se solar cells with mesh transparent conducting electrodes. <i>Data in Brief</i> , <b>2020</b> , 29, 105352	1.2	1
20	High resolution atomic force and Kelvin probe force microscopy image data of InAs(001) surface using frequency modulation method. <i>Data in Brief</i> , <b>2020</b> , 29, 105177	1.2	1
19	The Effect of the SnAg Solder Joint Morphology on the Thermal Cycle Reliability of 40 $\mu$ m Fine-Pitch Cu-Pillar/SnAg Micro Bump Interconnection <b>2018</b> ,		1
18	DEVELOPMENT OF HIGH STRENGTH Mg-Cu-Zn ULTRAFINE EUTECTIC COMPOSITES WITH ENHANCED PLASTICITY. <i>International Journal of Modern Physics B</i> , <b>2009</b> , 23, 947-952	1.1	1
17	Effect of Solid Solution Treatment on the Microstructure and Mechanical Properties of IN738LC Superalloy. <i>Advanced Materials Research</i> , <b>2011</b> , 378-379, 744-747	0.5	1
16	Influence of Sn Content on the Mechanical and Corrosion Behavior of AM60 Base Alloys. <i>Advanced Materials Research</i> , <b>2011</b> , 378-379, 697-700	0.5	1
15	Fabrication Optimization of Magnesium Az61 Alloys via Extrusion for High Productivity. <i>Advanced Materials Research</i> , <b>2011</b> , 378-379, 727-730	0.5	1
14	Strategies for designing composite materials for high temperature application. <i>Metals and Materials International</i> , <b>1999</b> , 5, 539-544		1
13	Ablation Stability of In Situ Al <sub>2</sub> O <sub>3</sub> Layer in Aluminized AISI 4130 Steels under High-Temperature Plasma Flame Environments. <i>Journal of Materials Engineering and Performance</i> , <b>2021</b> , 30, 7488-7493	1.6	1
12	Evaluation of growth kinetics of aluminide coating layers on Ti-6Al-4V alloys by pack cementation and the oxidation behaviours of the coated Ti-6Al-4V alloys. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2021</b> , 101, 105642	4.1	1
11	Enhanced Adhesion Strength of Pt/Al <sub>2</sub> O <sub>3</sub> Catalysts on STS-444 Substrate via Al <sub>2</sub> O <sub>3</sub> Intermediate Layer Formation: Application for CO and C <sub>3</sub> H <sub>6</sub> Oxidation. <i>Catalysts</i> , <b>2022</b> , 12, 38	4	1
10	Structural stability of SiC coated carbon under high temperature plasma flame. <i>Materials Research Innovations</i> , <b>2014</b> , 18, S2-494-S2-497	1.9	
9	Oxidation Response of Pack Cementation Coated TZM (Mo-0.5Ti-0.1Zr-0.02C) Alloys Under Dynamic Environments <b>2013</b> , 425-430		
8	Effect of RE Addition on Microstructure and Properties of As-Cast Mg-6Zn-Zr Alloy. <i>Advanced Materials Research</i> , <b>2013</b> , 711, 110-114	0.5	

7	Effect of Ag Addition on the Microstructure and Properties of Cu-5Cr Base Alloys. <i>Advanced Materials Research</i> , <b>2013</b> , 634-638, 1694-1697	0.5
6	Solidification Characteristics of Al-1Fe-0.5Si-XMg Die-Casting Alloys for High Conductivity Demanding Applications. <i>Advanced Materials Research</i> , <b>2013</b> , 634-638, 1794-1797	0.5
5	Synthesis of Ni-Based Bulk Metallic Glasses for Penetrating Materials. <i>Materials Transactions</i> , <b>2008</b> , 49, 1796-1799	1.3
4	Study of structural, magnetic, and magnetocaloric properties of $\text{Ho}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6
3	High Temperature Ablation Behaviors of Multilayer Coated Stainless Steel. <i>Korean Journal of Materials Research</i> , <b>2018</b> , 28, 135-141	0.2
2	Microstructures and Oxidation Behaviors of Silicide Coated Nb Alloys by Halide Activated Pack Cementation Process. <i>Journal of Korean Institute of Metals and Materials</i> , <b>2020</b> , 58, 507-514	1
1	Microstructures and Oxidation Behavior According to Nb:Mo Ratio in a Nb-Mo-Si System with Si Pack Cementation Coatings. <i>Coatings</i> , <b>2019</b> , 9, 772	2.9