Katsuyoshi Kondoh

List of Publications by Year
in descending order

172	4,913	109321	118850
papers	citations	35 h-index	62 g-index

182	182	182	2762
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ASB induced phase transformation in high oxygen doped commercial purity Ti. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 830, 142321.	5.6	20
2	Enhanced strength and ductility of nano-TiBw-reinforced titanium matrix composites fabricated by electron beam powder bed fusion using Ti6Al4Vâ€“TiBw composite powder. Additive Manufacturing, 2022, 50, 102519.	3.0	3
3	Advanced tensile properties and strain rate sensitivity of titanium matrix composites reinforced with CaTiO3 particles. Journal of Alloys and Compounds, 2022, 897, 163229.	5.5	8
4	Effects of the secondary shot in the double shot peening process on the residual compressive stress distribution of Tiâ€“6Alâ€“4V. Heliyon, 2022, 8, e08758.	3.2	15
5	Effect of Nb Content and water quenching on microstructure and mechanical properties of Ti-Nb alloys fabricated by spark plasma sintering. Powder Metallurgy, 2022, 65, 426-438.	1.7	6
6	Micro-compression of high oxygen doped single-crystal titanium along different orientations. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142449.	5.6	4
7	Quantitative analysis on surface potentials of impurities and intermetallic compounds dispersed in Mg alloys using scanning Kelvin probe force microscopy and ultraviolet photoelectron spectroscopy. Materials Chemistry and Physics, 2022, 279, 125760.	4.0	3
8	Ductility improvement of high-strength Tiâ€“O material upon heteromicrostructure formation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 842, 143041.	5.6	9
9	Compressive behavior of CNT-reinforced aluminum matrix composites under various strain rates and temperatures. Ceramics International, 2022, 48, 10299-10310.	4.8	11
10	Microstructure Examination and Sliding Wear Behavior of Al-15%Mg2Si-xGd In Situ Composites before and after Hot Extrusion. Lubricants, 2022, 10, 3.	2.9	0
11	First-principles design and experimental validation of Î²-Ti alloys with high solid-solution strengthening and low elasticities. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 843, 143053.	5.6	9
12	Local galvanic corrosion analysis on cast Mg-Ca binary alloy using scanning Kelvin probe force microscopy. Materials Letters, 2022, 319, 132266.	2.6	7
13	Microstructure and mechanical characterizations of additively manufactured high oxygen-doped titanium. Materials Characterization, 2022, 189, 112008.	4.4	6
14	Solute-induced near-isotropic performance of laser powder bed fusion manufactured pure titanium. Additive Manufacturing, 2022, 56, 102907.	3.0	5
15	Investigation into the Intermetallic Layers in Ti/Al Multi-Layer Composites Produced via Accumulative Rolling and Sintering. Science of Advanced Materials, 2022, 14, 581-586.	0.7	3
16	Room temperature and high-temperature properties of extruded Ti-4Fe-3W/2TiC composites in Î±+Î² and Î² phases. Materials and Design, 2022, 220, 110901.	7.0	8
17	Dissolution Kinetics of Iron-Based Intermetallic Compounds (Ï„5c IMCs) in a Commercial Steel Strip Metallic Alloy Coating Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 41-50.	2.1	2
18	TiB nano-whiskers reinforced titanium matrix composites with novel nano-reticulated microstructure and high performance via composite powder by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140137.	5.6	35

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19	Quantitative strengthening evaluation of powder metallurgy Tiâ€“Zr binary alloys with high strength and ductility. Journal of Alloys and Compounds, 2021, 852, 156954.	5.5	23
20	Acicular microstructure formation and strengthening behavior of Ti-4%Fe alloys by Zr addition. Journal of Alloys and Compounds, 2021, 858, 158292.	5.5	8
21	Mechanisms of tensile strengthening and oxygen solid solution in single Î²-phase Ti-35 at.%Ta+O alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140677.	5.6	16
22	Strengthening evaluation and high-temperature behavior of Tiâ€“Feâ€“Oâ€“Cuâ€“Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 800, 140324.	5.6	13
23	Microstructures analysis and quantitative strengthening evaluation of powder metallurgy Tiâ€“Fe binary extruded alloys with (Î±+Î²)-dual-phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 803, 140708.	5.6	27
24	Microstructures and Strengthening Mechanism of Oxygen Soluted Titanium by Selective Laser Melting. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2021, 68, 67-75.	0.2	3
25	Microstructure globularization of high oxygen concentration dual-phase extruded Ti alloys via powder metallurgy route. Materials Characterization, 2021, 172, 110855.	4.4	15
26	In-Situ Formed Al3Zr Compounds Reinforced Al Composites and Tribological Application. Crystals, 2021, 11, 227.	2.2	5
27	Role B4C Addition on Microstructure, Mechanical, and Wear Characteristics of Al-20%Mg2Si Hybrid Metal Matrix Composite. Applied Sciences (Switzerland), 2021, 11, 3047.	2.5	17
28	Effect of Metal Powder Characteristics on Structural Defects of Graphene Nanosheets in Metal Composite Powders Dispersed by Ball Milling. Crystals, 2021, 11, 260.	2.2	2
29	Precipitation and Distribution Behavior of In Situ-Formed TiB Whiskers in Ti64 Composites Fabricated by Selective Laser Melting. Crystals, 2021, 11, 374.	2.2	4
30	Development of coreâ€“shell-structured Ti-(N) powders for additive manufacturing and comparison of tensile properties of the additively manufactured and spark-plasma-sintered Ti-N alloys. Advanced Powder Technology, 2021, 32, 2379-2389.	4.1	4
31	Interfacial microstructure and mechanical property in friction stir welded Mg/Al joints under low rotation speed. Science and Technology of Welding and Joining, 2021, 26, 470-477.	3.1	10
32	TiB Whisker and Nitrogen Solidâ€Solution Synergisticâ€Strengthened Titanium Matrix Composites by Tiâ€“BN via Spark Plasma Sintering and Hot Extrusion. Advanced Engineering Materials, 2021, 23, 2100344.	3.5	1
33	Syntheses, microstructure evolution and performance of strength-ductility matched aluminum matrix composites reinforced by nano SiC-cladded CNTs. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 824, 141784.	5.6	18
34	Strengthâ€“ductility balance of powder metallurgy Tiâ€“2Feâ€“2W alloy extruded at high-temperature. Journal of Materials Research and Technology, 2021, 14, 677-691.	5.8	19
35	Ultrafine-grain formation and improved mechanical properties of novel extruded Ti-Fe-W alloys with complete solid solution of tungsten. Journal of Alloys and Compounds, 2021, 875, 160031.	5.5	17
36	Strengthening and deformation mechanism of selective laser-melted high-concentration nitrogen solute Î±-Ti materials with heterogeneous microstructures via heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 826, 141935.	5.6	6

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37	Substantial role of charge transfer on the diffusion mechanism of interstitial elements in Î±-titanium: A First-principles study. Scripta Materialia, 2021, 203, 114065.	5.2	12
38	Additive Manufacturing and Characterization of High Strength Ti-Zr Gyroid Scaffolds Using Pre-Mixed Ti-ZrH2 Powders. Jom, 2021, 73, 4166-4176.	1.9	2
39	Quantitative Strengthening Evaluation of Powder Metallurgy Titanium Alloys with Substitutional Zr and Interstitial O Solutes via Homogenization Heat Treatment. Materials, 2021, 14, 6561.	2.9	3
40	Effects of media parameters on enhance ability of hardness and residual stress of Ti6Al4V by fine shot peening. Surfaces and Interfaces, 2020, 18, 100424.	3.0	25
41	Synergistic strengthening mechanisms of copper matrix composites with TiO2 nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 772, 138797.	5.6	51
42	Tensile properties improvement by homogenized nitrogen solid solution strengthening of commercially pure titanium through powder metallurgy process. Materials Characterization, 2020, 170, 110700.	4.4	22
43	Refined grain formation behavior and strengthening mechanism of Î±-titanium with nitrogen fabricated by selective laser melting. Additive Manufacturing, 2020, 36, 101537.	3.0	17
44	Improved ductility of spark plasma sintered aluminium-carbon nanotube composite through the addition of titanium carbide microparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 795, 139959.	5.6	18
45	Comparison study on mechanical properties of powder metallurgy titanium materials with nitrogen solutes and TiN dispersoids. Journal of Alloys and Compounds, 2020, 846, 156455.	5.5	13
46	Mechanical properties and biocompatibility of titanium with a high oxygen concentration for dental implants. Materials Science and Engineering C, 2020, 117, 111306.	7.3	18
47	Tensile property enhancement by oxygen solutes in selectively laser melted titanium materials fabricated from pre-mixed pure Ti and TiO2 powder. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 795, 139983.	5.6	31
48	Understanding Corrosion Behavior of Magnesium Surface by x-Ray Irradiation for Improved Surface Design and Applications. Jom, 2020, 72, 4657-4664.	1.9	1
49	Selective laser-melted titanium materials with nitrogen solid solutions for balanced strength and ductility. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 790, 139641.	5.6	24
50	Reaction kinetics of Cuâ€“Ni and B₄C in Cuâ€“Ni alloy under solid-state sintering. Materials Science and Technology, 2020, 36, 759-764.	1.6	4
51	Ductility Improvement Mechanism of Tiâ€“6Alâ€“4V+O Sintered Material. Materials Transactions, 2020, 61, 430-437.	1.2	13
52	An in-situ study on deformation and cracking initiation in oxygen-doped commercial purity titanium. Mechanics of Materials, 2020, 148, 103519.	3.2	22
53	Designable interfacial structure and its influence on interface reaction and performance of MWCNTs reinforced aluminum matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139783.	5.6	21
54	Strength-ductility improvement of extruded Ti-(N) materials using pure Ti powder with high nitrogen solution. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 779, 139136.	5.6	29

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55	High-Brightness and High-Power Laser Welding of Powder Metallurgy Shape Memory Alloy: Welding-Parameter-Dependent Microstructure. Journal of Materials Engineering and Performance, 2020, 29, 987-996.	2.5	4
56	Oxygen Solid Solution Strengthening of Titanium Materials Fabricated by Selective Laser Melting Process. Journal of Smart Processing, 2020, 9, 158-163.	0.1	0
57	Fabrication of In-situ Formed Al₃Zr Reinforced Al Sintered Composites and Their Tribological Behavior. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2020, 67, 536-542.	0.2	1
58	Phase Transformation Control of Powder Metallurgy Super-elastic Ti-Ni Alloy by Adding Co Element. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2019, 66, 9-16.	0.2	0
59	Quantitative Analysis on Light Elements Solution Strengthening in Pure Titanium Sintered Materials by Labusch Model Using Experimental Data. Materials Transactions, 2019, 60, 263-268.	1.2	43
60	Phase Transformation Control of Powder Metallurgy Super-Elastic Tiâ€“Ni Alloy by Adding Co Element. Materials Transactions, 2019, 60, 1583-1590.	1.2	1
61	Regulation of interface between carbon nanotubes-aluminum and its strengthening effect in CNTs reinforced aluminum matrix nanocomposites. Carbon, 2019, 155, 686-696.	10.3	75
62	Tailoring Microstructure and Properties of a Superelastic Tiâ€“Ta Alloy by Incorporating Spark Plasma Sintering with Thermomechanical Processing. Journal of Materials Engineering and Performance, 2019, 28, 3012-3020.	2.5	26
63	Hybrid effect of TiCp and TiBw co-strengthening Ti matrix composites prepared by spark plasma sintering and hot extrusion. Materials Characterization, 2019, 151, 6-14.	4.4	32
64	Strengthening Mechanisms of Powder Metallurgy Extruded CP Titanium Materials with Zirconium and Oxygen Solid Solution via Decomposition of ZrO₂ Additives in Sintering. Materials Transactions, 2019, 60, 1881-1889.	1.2	6
65	Characteristics of Titanium Powder with Nitrogen and Mechanical Properties of Its Additive Manufactured Materials. Journal of Smart Processing, 2019, 8, 95-101.	0.1	1
66	Rate sensitivity and work-hardening behavior of an advanced Ti-Al-N alloy under uniaxial tensile loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 630-637.	5.6	11
67	Nanocarbon-reinforced metal-matrix composites for structural applications. MRS Bulletin, 2019, 44, 40-45.	3.5	20
68	Powder Metallurgy Processes for Compositeâ€“Materials Integration. , 2019, , 241-253.		1
69	Effect of graphite content on properties of B₄Câ€W₂B₅ ceramic composites by in situ reaction of Bâ€Grâ€<scp>WC</scp>. Journal of the American Ceramic Society, 2018, 101, 3617-3626.	3.8	20
70	Microstructure and synergistic-strengthening efficiency of CNTs-SiCp dual-nano reinforcements in aluminum matrix composites. Composites Part A: Applied Science and Manufacturing, 2018, 105, 87-96.	7.6	72
71	Quantitative Analysis on Light Elements Solution Strengthening in Pure Titanium Sintered Materials by Labusch Model Using Experimental Data. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 407-413.	0.2	10
72	Ductility Improvement Mechanism of Ti-6Al-4V + O Sintered Material. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 699-706.	0.2	3

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73	Strengthening Mechanisms of Powder Metallurgy Extruded CP Titanium Materials with Zirconium and Oxygen Solid Solution via Decomposition of ZrO₂ Additives in Sintering. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 746-755.	0.2	2
74	Electrochemical Properties of Fe Solid-Solution Strengthened Sintered Titanium. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 761-765.	0.2	0
75	Effects of the amount of Ni by powder metallurgy TiNi alloy aimed for thinned stents in superficial femoral artery and biological evaluation by animal test. Transactions of the JSME (in Japanese), 2018, 84, 17-00491-17-00491.	0.2	0
76	Preparation of Si and O co-solution strengthened Ti alloys by using rice husks as SiO2resource and quantitative descriptions on their strengthening effects. Materials Research Express, 2018, 5, 046524.	1.6	3
77	Effect of Shape Memory Heat Treatment on Microstructures and Mechanical Properties of Powder Metallurgy TiNi Shape Memory Alloy. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 85-90.	0.2	2
78	Study on Aluminum Matrix Composites Reinforced with Singly Dispersed Carbon Nanotubes. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 139-144.	0.2	3
79	Tribological Property of Î±- Pure Titanium Strengthened by Nitrogen Solid-Solution. Materials Transactions, 2018, 59, 61-65.	1.2	16
80	A novel strengthening effect of in-situ nano Al2O3w on CNTs reinforced aluminum matrix nanocomposites and the matched strengthening mechanisms. Journal of Alloys and Compounds, 2018, 764, 279-288.	5.5	65
81	Effect of Shape Memory Heat Treatment on Microstructures and Mechanical Properties of Powder Metallurgy TiNi Shape Memory Alloy. Materials Transactions, 2018, 59, 805-810.	1.2	2
82	Microstructures and Mechanical Properties of Shape Memory Alloy Using Pre-Mixed TiNi Powders with TiO₂ Particles. Materials Transactions, 2018, 59, 117-122.	1.2	4
83	Ductility Improvement Mechanism of Pure Titanium with Excessive Oxygen Solid Solution via Rapid Cooling Process. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2018, 82, 390-395.	0.4	9
84	Effect of deformation on the microstructure, transformation temperature and superelasticity of Tiâ€“23 at% Nb shape-memory alloys. Materials and Design, 2017, 118, 152-162.	7.0	40
85	Advanced mechanical properties of powder metallurgy commercially pure titanium with a high oxygen concentration. Journal of Materials Research, 2017, 32, 3769-3776.	2.6	51
86	Optimization of mechanical properties of fine-grained non-combustive magnesium alloy joint by asymmetrical double-sided friction stir welding. Journal of Materials Processing Technology, 2017, 242, 117-125.	6.3	34
87	Tribological Property of Î±-Pure Titanium Strengthened by Nitrogen Solid-Solution. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 275-280.	0.2	5
88	Investigation of Strengthening Mechanism of Oxide-dispersed Magnesium Composite Sintered Material at Elevated Temperature. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 479-485.	0.2	0
89	Synthesis of Al2Ca Dispersoids by Powder Metallurgy Using a Mgâ€“Al Alloy and CaO Particles. Materials, 2017, 10, 716.	2.9	0
90	Microstructures and Mechanical Properties of Shape Memory Alloy Using Pre-mixed TiNi Powders with TiO₂ Particles. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2017, 64, 589-594.	0.2	4

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91	Powder Forming Process from Machined Titanium Chips via Heat Treatment in Hydrogen Atmosphere. Materials Transactions, 2017, 58, 1702-1707.	1.2	10
92	Refining Process of Amorphous Silica Particle Originated from Rice Husks Via Brittle Carbides Formation in Combustion. Journal of Smart Processing, 2016, 5, 365-372.	0.1	3
93	Corrosion Behavior and Strength of Dissimilar Bonding Material between Ti and Mg Alloys Fabricated by Spark Plasma Sintering. Materials, 2016, 9, 665.	2.9	9
94	Sintering Behaviors of Carbon Nanotubesâ€"Aluminum Composite Powders. Metals, 2016, 6, 213.	2.3	24
95	Microstructural evolution and competitive reaction behavior of Ti-B4C system under solid-state sintering. Journal of Alloys and Compounds, 2016, 687, 1004-1011.	5.5	32
96	Powder forming process from machined titanium chips via heat treatment in hydrogen atmosphere. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 1002-1008.	0.2	0
97	Microstructure and Mechanical Properties of PM Cu Composite Dispersed with Carbon Nanotube. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 1015-1020.	0.2	0
98	Effect of Reaction between Alloying Element and VGCFs on Mechanical and Electrical Properties of PM Copper Alloy Composites Dispersed with VGCFs. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 150-156.	0.2	1
99	Effect of Reaction between Alloying Element and VGCFs on Mechanical and Electrical Properties of PM Copper Alloy Composites Dispersed with VGCFs. Materials Transactions, 2016, 57, 1784-1788.	1.2	0
100	Surface potential analysis on initial galvanic corrosion of Ti/Mg-Al dissimilar material. Materials Chemistry and Physics, 2016, 179, 5-9.	4.0	15
101	Effect of vapor grown carbon fiber content on microstructure and tensile properties of Ti64/TiC composite fabricated by powder metallurgy method. Journal of Composite Materials, 2016, 50, 3405-3414.	2.4	5
102	Strengthening behavior of in situ -synthesized (TiCâ€“TiB)/Ti composites by powder metallurgy and hot extrusion. Materials and Design, 2016, 95, 127-132.	7.0	181
103	Titanium Powders via Gas-Solid Direct Reaction Process and Mechanical Properties of Their Extruded Materials. Materials Transactions, 2015, 56, 1153-1158.	1.2	30
104	Pinning Effect of In-Situ TiC_p and TiB_w on the Grain Size and Room Temperature Strength of (TiC + TiB)/Ti Composites. KONA Powder and Particle Journal, 2015, 32, 264-269.	1.7	5
105	Titanium metal matrix composites by powder metallurgy (PM) routes. , 2015, , 277-297.		27
106	Suppression of hydrogen-induced damage in friction stir welded low carbon steel joints. Corrosion Science, 2015, 94, 88-98.	6.6	27
107	An approach for homogeneous carbon nanotube dispersion in Al matrix composites. Materials & Design, 2015, 72, 1-8.	5.1	159
108	Microstructure and mechanical properties of P/M titanium matrix composites reinforced by in-situ synthesized TiCâ€“TiB. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 75-83.	5.6	113

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109	Nano-scale AlN powders and AlN/Al composites by full and partial direct nitridation of aluminum in solid-state. Journal of Alloys and Compounds, 2015, 629, 184-187.	5.5	34
110	Crack Formation in Powder Metallurgy Carbon Nanotube (CNT)/Al Composites During Post Heat-Treatment. Jom, 2015, 67, 2887-2891.	1.9	8
111	Load transfer strengthening in carbon nanotubes reinforced metal matrix composites via in-situ tensile tests. Composites Science and Technology, 2015, 113, 1-8.	7.8	236
112	Carbon nanotube induced microstructural characteristics in powder metallurgy Al matrix composites and their effects on mechanical and conductive properties. Journal of Alloys and Compounds, 2015, 651, 608-615.	5.5	60
113	Friction behavior of network-structured CNT coating on pure titanium plate. Applied Surface Science, 2015, 357, 721-727.	6.1	38
114	Inter-wall bridging induced peeling of multi-walled carbon nanotubes during tensile failure in aluminum matrix composites. Micron, 2015, 69, 1-5.	2.2	26
115	230 Microstructures and mechanical properties of P/M extruded Al-AlN composite by direct. The Proceedings of the Materials and Processing Conference, 2015, 2015.23, _230-1_-_230-5_.	0.0	0
116	232 Microstructure and mechanical properties of P/M extruded titanium with Si_3N_4 particles. The Proceedings of the Materials and Processing Conference, 2015, 2015.23, _232-1_-_232-5_.	0.0	0
117	103 High-Strength Powder Metallurgy Al Matrix Composites Reinforced with in-Situ Al_4C_3 Nanorods. The Proceedings of the Materials and Processing Conference, 2015, 2015.23, _103-1_-_103-4_.	0.0	0
118	104 Fracturing mechanism of carbon nanotubes reinforced PM aluminum composite materials. The Proceedings of the Materials and Processing Conference, 2015, 2015.23, _104-1_-_104-4_.	0.0	0
119	In Situ Synthesized Al₄C₃ Nanorods with Excellent Strengthening Effect in Aluminum Matrix Composites. Advanced Engineering Materials, 2014, 16, 972-975.	3.5	106
120	Microstructural and mechanical behavior of multi-walled carbon nanotubes reinforced Alâ€“Mgâ€“Si alloy composites in aging treatment. Carbon, 2014, 72, 15-21.	10.3	70
121	Stability of strengthening effect of in situ formed TiCp and TiBw on the elevated temperature strength of (TiCp+TiBw)/Ti composites. Journal of Alloys and Compounds, 2014, 614, 29-34.	5.5	33
122	Size effect of B4C powders on metallurgical reaction and resulting tensile properties of Ti matrix composites by in-situ reaction from Tiâ€“B4C system under a relatively low temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 614, 129-135.	5.6	53
123	Evaluation of the Wear Energy Consumption of Nitrogenated Diamond-Like Carbon Against Alumina. Tribology Letters, 2014, 55, 279-288.	2.6	7
124	Microstructural and Electrical Properties of Copper–Titanium Alloy Dispersed with Carbon Nanotubes via Powder Metallurgy Process. Materials Transactions, 2014, 55, 522-527.	1.2	17
125	High-Purity Amorphous Silica Originated in Rice Husks of Agricultural Waste and Utilization of Concrete Admixture. Journal of Smart Processing, 2014, 3, 323-327.	0.1	2
126	An Investigation of Microstructure and Phase Transformation Behavior of Cu40Zn-1.0Âwt.% Ti Brass Via Powder Metallurgy. Journal of Materials Engineering and Performance, 2013, 22, 3168-3174.	2.5	5

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127	Fabrication of high-strength Ti materials by in-process solid solution strengthening of oxygen via P/M methods. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 563, 95-100.	5.6	114
128	Powder metallurgy Tiâ€“TiC metal matrix composites prepared by in situ reactive processing of Ti-VGCFs system. Carbon, 2013, 61, 216-228.	10.3	148
129	Quantitative evaluation of initial galvanic corrosion behavior of CNTs reinforced Mgâ€“Al alloy. Advanced Powder Technology, 2013, 24, 833-837.	4.1	29
130	Improvement of Adhesion and Cohesion in Plasma-Sprayed Ceramic Coatings by Heterogeneous Modification of Nonbonded Lamellar Interface Using High Strength Adhesive Infiltration. Journal of Thermal Spray Technology, 2013, 22, 36-47.	3.1	39
131	Powder metallurgy titanium metal matrix composites reinforced with carbon nanotubes and graphite. Composites Part A: Applied Science and Manufacturing, 2013, 48, 57-66.	7.6	202
132	Fabrication of carbon nanotube reinforced Al composites with well-balanced strength and ductility. Journal of Alloys and Compounds, 2013, 563, 216-220.	5.5	89
133	High-temperature properties of extruded titanium composites fabricated from carbon nanotubes coated titanium powder by spark plasma sintering and hot extrusion. Composites Science and Technology, 2012, 72, 1291-1297.	7.8	101
134	Effect of grain size on the microstructure and mechanical properties of friction stir welded non-combustive magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 549, 176-184.	5.6	45
135	717 Consolidation methods for brass chips to produce a bulk brass directly. The Proceedings of the Materials and Processing Conference, 2012, 2012.20, _717-1_-_717-5_.	0.0	0
136	Fabrication of Powder Metallurgy Pure Ti Material by Using Thermal Decomposition of TiH2. Journal of High Temperature Society, 2011, 37, 326-331.	0.1	8
137	High-strength, lead-free machinable Î±â€“Î² duplex phase brass Cuâ€“40Znâ€“Crâ€“Feâ€“Snâ€“Bi alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 529, 275-281.	5.6	44
138	Fabrication of magnesium based composites reinforced with carbon nanotubes having superior mechanical properties. Materials Chemistry and Physics, 2011, 127, 451-458.	4.0	56
139	Thermo-dynamic analysis on solid-state reduction of CaO particles dispersed in Mgâ€“Al alloy. Materials Chemistry and Physics, 2011, 129, 631-640.	4.0	26
140	Interfacial analysis between Mg matrix and carbon nanotubes in Mgâ€“6wt.% Al alloy matrix composites reinforced with carbon nanotubes. Composites Science and Technology, 2011, 71, 705-709.	7.8	87
141	The texture and anisotropy of hot extruded magnesium alloys fabricated via rapid solidification powder metallurgy. Materials & Design, 2011, 32, 4590-4597.	5.1	39
142	Fabrication and properties of lead-free machinable brass with Ti additive by powder metallurgy. Powder Technology, 2011, 205, 242-249.	4.2	33
143	Development of Lead-Free Machinable Brass with Bismuth and Graphite Particles by Powder Metallurgy Process. Materials Transactions, 2010, 51, 855-859.	1.2	9
144	Aluminum-4 mass%Copper/Alumina Composites Produced from Aluminum Copper and Rice Husk Ash Silica Powders by Powder Forging. Materials Transactions, 2010, 51, 756-761.	1.2	21

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145	Wettability of pure Ti by molten pure Mg droplets. Acta Materialia, 2010, 58, 606-614.	7.9	83
146	Phase transformation and precipitation hardening behavior of Cr and Fe in BS40CrFeSn alloy. Journal of Materials Science, 2010, 45, 5669-5675.	3.7	4
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