

# The mechanical and thermal expansion behavior of an *A* with potassium titanate whisker

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Multi-inclusion unit cell models for metal matrix composites with randomly oriented discontinuous reinforcements. <i>Computational Materials Science</i> , 2002, 25, 42-53.	1.4	196
2	Material nonlinear behavior of laminated metal matrix composite plates supported at edges under uniform traverse loading. <i>Composites Science and Technology</i> , 2002, 62, 1913-1923.	3.8	1
3	Atomic force microscopy (AFM) study on potassium hexatitanate whisker (K <sub>2</sub> O·6TiO <sub>2</sub> ). <i>Journal of Materials Science</i> , 2003, 38, 3641-3646.	1.7	12
4	Thermal cycling characteristics of in-situ Al-based composites prepared by reactive hot pressing. <i>Composites Science and Technology</i> , 2003, 63, 89-97.	3.8	32
5	Thermal expansion behaviour of aluminium/SiC composites with bimodal particle distributions. <i>Acta Materialia</i> , 2003, 51, 3145-3156.	3.8	134
7	Thermal expansion coefficient and wear performance of aluminium/SiC composites with bimodal particle distributions. <i>Materials Science and Technology</i> , 2003, 19, 491-496.	0.8	5
9	Stacking Sequence Effects on Elastic-Plastic Stress Variation in Composite Plates with Clamped Edges. <i>Science and Engineering of Composite Materials</i> , 2004, 11, 247-258.	0.6	0
10	Hydrothermal synthesis of photocatalyst potassium hexatitanate nanowires under supercritical conditions. <i>Journal of Materials Science</i> , 2004, 39, 4977-4980.	1.7	32
11	Synthesis of potassium polytitanate precursors by treatment of TiO <sub>2</sub> with molten mixtures of KNO <sub>3</sub> and KOH. <i>Journal of the European Ceramic Society</i> , 2004, 24, 3541-3546.	2.8	42
12	Thermal expansion behavior and performance of VLP diffusion-bonded joints of SiCp/A356 composites. <i>Composites Science and Technology</i> , 2005, 65, 1461-1467.	3.8	9
13	Thermal expansion anisotropy in extruded SiC particle reinforced 2080 aluminum alloy matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 426, 314-322.	2.6	86
14	Processing and Characterization of Graphite Nanofibers Reinforced Aluminum Matrix Composites. <i>Key Engineering Materials</i> , 2006, 306-308, 1067-1072.	0.4	0
15	Effect of Mg and Si in the aluminum on the thermo-mechanical properties of pressureless infiltrated SiCp/Al composites. <i>Composites Science and Technology</i> , 2007, 67, 2103-2113.	3.8	78
16	Finite-element analysis of deformation behaviors in random-whisker-reinforced composite. <i>Scripta Materialia</i> , 2009, 61, 580-583.	2.6	22
17	Microstructure evolution of rare earth Pr modified alumina-silicate short fiber-reinforced Al-Si metal matrix composites. <i>Rare Metals</i> , 2009, 28, 164-168.	3.6	3
18	Thermal cycling behaviour of stir cast Al-Mg alloy reinforced with fly ash. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 526, 100-105.	2.6	30
19	Net-shape forming and properties of high volume fraction SiCp/Al composites. <i>Journal of Alloys and Compounds</i> , 2009, 484, 256-262.	2.8	44
20	Dilatometry revealing Si precipitation in Al-Si-alloys. <i>International Journal of Materials Research</i> , 2009, 100, 1005-1013.	0.1	11

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21	Analysis of 3D Random Al <sub>18</sub> B <sub>4</sub> O <sub>33</sub> Whisker Reinforced Mg Composite Using FEM and Random Sequential Adsorption. <i>Materials Transactions</i> , 2010, 51, 1089-1093.	0.4	9
22	Thermal Expansion and Thermal Conductivity Behaviors of Al-Si/SiC/graphite Hybrid Metal Matrix Composites (MMCs). <i>Medziagotyra</i> , 2012, 18, .	0.1	21
23	Finite element analysis of the thermal residual stresses of SiC particle reinforced aluminum composite. <i>Computational Materials Science</i> , 2012, 54, 195-203.	1.4	44
24	A study of thermal expansion of Al-Mg alloy composites containing fly ash. <i>Materials &amp; Design</i> , 2012, 33, 503-509.	5.1	49
25	Machinability of Short Potassium Titanate Fiber Reinforced Aluminum Alloy Composites Fabricated by Squeeze Casting. <i>Advanced Materials Research</i> , 0, 856, 36-40.	0.3	1
26	Crystallization and Properties of Glass-Ceramics of the K <sub>2</sub> O-BaO-B <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> System. <i>Materials Science Forum</i> , 2013, 755, 125-132.	0.3	2
27	Effect of metalloid silicon addition on densification, microstructure and thermal physical properties of Al/diamond composites consolidated by spark plasma sintering. <i>Materials &amp; Design</i> , 2014, 63, 838-847.	5.1	37
28	Thermal and Mechanical Properties of Aluminum Alloy Composite Reinforced with Potassium Hexatitanate Short Fiber. <i>Materials Transactions</i> , 2015, 56, 160-166.	0.4	6
29	Effects of reinforcement with potassium hexatitanate short fiber on machinability of aluminum alloy. <i>Transactions of the JSME (in Japanese)</i> , 2015, 81, 14-00401-14-00401.	0.1	0
30	Molten salt synthesis of crystalline photocatalytic potassium octatitanate whiskers from KCl melt. <i>Materials Letters</i> , 2015, 155, 38-40.	1.3	11
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33	Effect of heat-treatment on stress relief and dimensional stability behavior of SiCp/Al composite with high SiC content. <i>Materials and Design</i> , 2015, 86, 508-515.	3.3	31
34	Investigation of Interfacial Reaction Products and Stress Distribution in Selective Laser Melted Al <sub>12</sub> Si/SiC Composite Using Confocal Raman Microscopy. <i>Advanced Engineering Materials</i> , 2016, 18, 1337-1341.	1.6	32
35	The behaviour of aluminium matrix composites under thermal stresses. <i>Science and Engineering of Composite Materials</i> , 2016, 23, 1-20.	0.6	21
36	Mechanical, thermal and electrical properties of monolayer and bilayer graded Al/SiC/rice husk ash (RHA) composite. <i>Journal of Alloys and Compounds</i> , 2017, 699, 308-322.	2.8	40
37	Electrical and thermomechanical properties of CVI- Si <sub>3</sub> N <sub>4</sub> porous rice husk ash infiltrated by Al-Mg-Si alloys. <i>Journal of Alloys and Compounds</i> , 2017, 696, 856-868.	2.8	35
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39	Thermal expansion behavior of Al <sup>+</sup> B <sub>4</sub> C composites by powder metallurgy. Journal of Alloys and Compounds, 2019, 809, 151753.	2.8	41
40	Evaluation of thermal conductivity of GNPs-doped B <sub>4</sub> C/Al-Si composites in terms of interface interaction and electron mobility. Diamond and Related Materials, 2019, 98, 107457.	1.8	15
41	Substantial enhancement of mechanical properties for SnSe based composites with potassium titanate whiskers. Journal of Materials Science: Materials in Electronics, 2019, 30, 8502-8507.	1.1	9
42	Crystalline Structure, Synthesis, Properties and Applications of Potassium Hexatitanate: A Review. Materials, 2019, 12, 4132.	1.3	10
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47	Temperature dependent ultimate tensile strength model for short fiber reinforced metal matrix composites. Composite Structures, 2021, 267, 113890.	3.1	7
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53	Application of SiC and Graphite reinforced Aluminium Metal Matrix Composite in Braking Systems and its Validation Through Finite Element Analysis. Journal of the Institution of Engineers (India): Series D, 0, , .	0.6	3
54	S <sup>+</sup> carl <sup>+</sup> k de <sup>+</sup> Yi <sup>+</sup> iminin ak <sup>+</sup> m sinterleme y <sup>+</sup> ntemi <sup>+</sup> retimli <sup>+</sup> Zn-Al/SiC/Gr hibrit kompozitlerin mikroyap <sup>+</sup> ve fiziksel <sup>+</sup> zelliklerine etkisi. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , .	0.3	0