

# CITATION REPORT

List of articles citing

Microstructures and mechanical properties of Al/Al<sub>2</sub>O<sub>3</sub> surface nano-composite layer produced by friction stir processing

DOI: 10.1016/j.msea.2008.09.064

Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 500, 84-91.

**Source:** <https://exaly.com/paper-pdf/46472253/citation-report.pdf>

**Version:** 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
312	Inhomogeneous microstructure and mechanical properties of friction stir processed NiAl bronze. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 524, 119-128	5.3	58
311	Producing of AZ91/SiC composite by friction stir processing (FSP). <b>2010</b> , 51, 247-260		157
310	Fabrication of AA6061/Al <sub>2</sub> O <sub>3</sub> nano ceramic particle reinforced composite coating by using friction stir processing. <b>2010</b> , 45, 4431-4438		77
309	Ti particle-reinforced surface layers in Al: Effect of particle size on microstructure, hardness and wear. <b>2010</b> , 61, 1126-1134		17
308	Structure, microhardness and damping characteristics of Al matrix composite reinforced with AlCuFe or Ti using ultrasonic impact peening. <b>2010</b> , 204, 1590-1598		46
307	Friction Stir Processing of Particle Reinforced Composite Materials. <b>2010</b> , 3, 329-350		81
306	Effect of dopants on the phase formation in microwave processed Al/Al <sub>2</sub> O <sub>3</sub> composites. <b>2010</b> , 500, 231-236		5
305	Corrosion properties of friction stir processed cast NiAl bronze. <b>2010</b> , 52, 1610-1617		94
304	Producing Ultrafine-Grained AZ91 from As-Cast AZ91 by FSP. <b>2010</b> , 25, 1219-1226		59
303	Friction stir processing and characterisation of A380 cast aluminium alloy. <b>2011</b> , 24, 357-362		4
302	Fabrication of in situ Cu/SiC composites using multi-pass friction stir processing: Evaluation of microstructural, porosity, mechanical and electrical behavior. <b>2011</b> , 42, 1445-1453		119
301	Microstructures and mechanical properties of Al <sub>2</sub> O <sub>3</sub> /AZ91 surface nanocomposite layer produced by friction stir processing. <b>2011</b> , 225, 1331-1345		17
300	Effect of probe shape on dispersibility of alumina particle into 6061 aluminum alloy by friction stir processing. <b>2011</b> , 61, 95-99		1
299	Fabrication of Fe-Based Metallic Glass Particle Reinforced Al-Based Composite Materials by Friction Stir Processing. <b>2011</b> , 52, 1634-1640		25
298	Fabrication of Fe Based Metallic Glass Particles Reinforced Al Based Composite Materials by Friction Stir Processing. <b>2011</b> , 75, 47-54		1
297	Structure and wear of Al surface layers reinforced with AlCuFe particles using ultrasonic impact peening: Effect of different particle sizes. <b>2011</b> , 205, 5278-5284		24
296	The effects of friction-stir process parameters on the fabrication of Ti/SiC nano-composite surface layer. <b>2011</b> , 206, 1372-1381		91

295	Effect of Multiple-Pass Friction Stir Processing Overlapping on Microstructure and Mechanical Properties of As-Cast NiAl Bronze. <b>2011</b> , 42, 2125-2135		18
294	Experimental Investigation of Magnesium-Base Nanocomposite Produced by Friction Stir Processing: Effects of Particle Types and Number of Friction Stir Processing Passes. <b>2011</b> , 42, 2820-2832		84
293	Effect of Process Parameters on Microstructure and Micro-hardness of AZ91/Al <sub>2</sub> O <sub>3</sub> Surface Composite Produced by FSP. <b>2011</b> , 20, 1583-1590		62
292	Effects of SiC Particle Size and Process Parameters on the Microstructure and Hardness of AZ91/SiC Composite Layer Fabricated by FSP. <b>2011</b> , 20, 1554-1562		63
291	Surface modification of aluminium by friction stir processing. <b>2011</b> , 211, 313-317		150
290	Functionally graded materials produced by friction stir processing. <b>2011</b> , 211, 1659-1668		102
289	Effect of rotational speed and probe profile on microstructure and hardness of AZ31/Al <sub>2</sub> O <sub>3</sub> nanocomposites fabricated by friction stir processing. <b>2011</b> , 32, 2034-2041		230
288	High-temperature deformation and enhanced ductility of friction stir processed-7010 Aluminum Alloy. <b>2011</b> , 32, 1916-1922		9
287	Fabrication of 5052Al/Al <sub>2</sub> O <sub>3</sub> nanoceramic particle reinforced composite via friction stir processing route. <b>2011</b> , 32, 4164-4172		153
286	Investigation of mechanical properties of Cu/SiC composite fabricated by FSP: Effect of SiC particles size and volume fraction. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 528, 1740-1749	5.3	216
285	Effect of SiC Volume Fraction on the Microstructural and Mechanical Properties of Cu/SiC Composite Layer Fabricated by FSP. <b>2011</b> , 312-315, 500-505		1
284	Tribological Behavior of Aluminum Micro-and Nano-Composites. <b>2011</b> , 3, 153-162		6
283	FABRICATION OF Mg/SiC NANOCOMPOSITE SURFACE LAYER USING FRICTION STIR PROCESSING TECHNIQUE. <b>2011</b> , 10, 1073-1076		8
282	The Rotational Extrusion Alloying Al-Ti Composite. <b>2012</b> , 268-270, 92-95		
281	Surface Improvement by Overlapping in Multipass FSP. <b>2012</b> , 730-732, 865-870		
280	PRODUCING NANOCOMPOSITE LAYER ON THE SURFACE OF AS-CAST AZ91 MAGNESIUM ALLOY BY FRICTION STIR PROCESSING. <b>2012</b> , 05, 375-382		
279	C Fibres - Mg Matrix Composites Produced by Squeeze Casting and Friction Stir Processing: Microstructure & Mechanical Behaviour. <b>2012</b> , 706-709, 1221-1226		2
278	Wear Assessment of Ti/SiC Surface Nano-Composite Layer and its Associated CP-Ti Substrate. <b>2012</b> , 445, 595-600		2

277	FABRICATION OF TI/SiC SURFACE NANO-COMPOSITE LAYER BY FRICTION STIR PROCESSING. <b>2012</b> , 05, 367-374	5
276	Microstructure and mechanism of in-situ Al <sub>2</sub> O <sub>3</sub> (p)/Al nano-composites synthesized by sonochemistry melt reaction. <b>2012</b> , 22, 36-41	9
275	Optimization of process parameters for producing AA6061/SiC nanocomposites by friction stir processing. <b>2012</b> , 22, 1055-1063	86
274	Effect of Friction Stir Processing on Microstructure and Mechanical Properties of Cast AZ31 Magnesium Alloy. <b>2012</b> , 41, 1522-1526	29
273	Composite fabrication using friction stir processing – review. <b>2012</b> , 61, 1043-1055	167
272	On the role of cooling and tool rotational direction on microstructure and mechanical properties of friction stir processed AZ91. <b>2012</b> , 63, 987-997	53
271	Microstructure and mechanical properties of steel/TiC nano-composite surface layer produced by friction stir processing. <b>2012</b> , 209, 15-22	60
270	Microstructure and microhardness of AA1050/TiC surface composite fabricated using friction stir processing. <b>2012</b> , 37, 579-586	26
269	Distribution and stability of carbon nanotubes during multi-pass friction stir processing of carbon nanotube/aluminum composites. <b>2012</b> , 50, 4744-4749	110
268	Structural assessment of nanocomposites. <b>2012</b> , 43, 782-817	20
267	Influence of addition of Grp/Al <sub>2</sub> O <sub>3</sub> p with SiCp on wear properties of aluminum alloy 6061-T6 hybrid composites via friction stir processing. <b>2013</b> , 23, 1275-1280	114
266	Microstructural evaluation and corrosion properties of aluminium matrix surface composite adding Al-based amorphous fabricated by friction stir processing. <b>2013</b> , 52, 137-143	38
265	Producing of AA5083/ZrO <sub>2</sub> Nanocomposite by Friction Stir Processing (FSP). <b>2013</b> , 44, 1546-1553	56
264	Wear Behavior of Multiwalled Carbon Nanotube/AZ31 Composite Obtained by Friction Stir Processing. <b>2013</b> , 56, 827-832	32
263	Wear characterization of functionally graded AlSiC composite coatings produced by Friction Surfacing. <b>2013</b> , 52, 373-383	67
262	Mechanical characterization of copper coated carbon nanotubes reinforced aluminum matrix composites. <b>2013</b> , 86, 39-48	85
261	Wear and mechanical properties of 6061-T6 aluminum alloy surface hybrid composites [(SiC + Gr) and (SiC + Al <sub>2</sub> O <sub>3</sub> )] fabricated by friction stir processing. <b>2013</b> , 2, 362-369	170
260	Effects of fluxes on distribution of SiC particles and microstructures and mechanical properties of nanoparticles strengthening A-TIG (NSA-TIG) welded magnesium alloy joints. <b>2013</b> , 18, 404-413	12

259	Production of in-situ hard Ti/TiN composite surface layers on CP-Ti using reactive friction stir processing under nitrogen environment. <b>2013</b> , 218, 62-70		24
258	Reinforcement strategies for producing functionally graded materials by friction stir processing in aluminium alloys. <b>2013</b> , 213, 1609-1615		63
257	Friction and wear performance of copper-graphite surface composites fabricated by friction stir processing (FSP). <b>2013</b> , 304, 1-12		135
256	Influence of reinforcements (SiC and Al <sub>2</sub> O <sub>3</sub> ) and rotational speed on wear and mechanical properties of aluminum alloy 6061-T6 based surface hybrid composites produced via friction stir processing. <b>2013</b> , 51, 331-341		91
255	Processing, Microstructure and Mechanical Property Correlation in Al-B <sub>4</sub> C Surface Composite Produced via Friction Stir Processing. <b>2013</b> , 39-46		2
254	Magnesium Based Composite via Friction Stir Processing. <b>2013</b> , 245-252		2
253	Influence of rotational speed and reinforcements on wear and mechanical properties of aluminum hybrid composites via friction stir processing. <b>2013</b> , 45, 576-585		84
252	The effect of process parameters on microstructural characteristics of AZ91/SiO <sub>2</sub> composite fabricated by FSP. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 559, 217-221	5.3	83
251	Fabrication of metal matrix composites via friction stir processing. <b>2013</b> , 395-399		1
250	Wear and Mechanical Properties of Aluminum Alloy Based Hybrid Composites [(SiC+Gr) and (SiC+Al <sub>2</sub> O <sub>3</sub> )] Fabricated by Friction Stir Processing. <b>2013</b> ,		
249	Fabrication of Hybrid Surface Composite through Friction Stir Processing and Its Impression Creep Behaviour. <b>2013</b> , 2013, 1-6		9
248	The Rotational Extrusion Alloying. <b>2013</b> , 664, 521-524		
247	Tribology of Metal Matrix Composites. <b>2013</b> , 233-268		31
246	On feasibility of friction stir processing of cylindrical hole. <b>2013</b> , 143-146		1
245	Friction stir processing for ferritic stainless steel with reactive and non-reactive additives. <b>2013</b> , 389-393		
244	Design and development of Fly ash reinforced aluminium matrix composite using friction stir process (FSP). <b>2013</b> ,		0
243	Forming of Metal Matrix Composites. <b>2014</b> , 159-186		6
242	Tribological aspects in friction stir welding and processing. <b>2014</b> , 329-386		3

241	Surface Modification and Nanocomposite Layering of Fastener-Hole through Friction-Stir Processing. <b>2014</b> , 29, 726-732		21
240	Microstructure and mechanical properties of Cu/SiC metal matrix composite fabricated via friction stir processing. <b>2014</b> , 54, 838-844		110
239	Welding processes for wear resistant overlays. <b>2014</b> , 16, 4-25		124
238	Microstructure and texture development during friction stir processing of AlMg alloy sheets with TiO <sub>2</sub> nanoparticles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 605, 108-118	5-3	71
237	The effect of SiC nanoparticles on the friction stir processing of severely deformed aluminum. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 602, 110-118	5-3	33
236	Comparison Between Wear Resistance of Functionally Graded And Homogenous Al-SiC Nanocomposite Produced by Friction Stir Processing (FSP). <b>2014</b> , 23, 736-742		13
235	Surface reinforcements of light alloys. <b>2014</b> , 113-152		0
234	In situ formation of AlAl <sub>3</sub> Ni composites on commercially pure aluminium by friction stir processing. <b>2014</b> , 75, 1331-1337		22
233	A Novel Approach for Fabrication of Cu-Al <sub>2</sub> O <sub>3</sub> Surface Composites by Friction Stir Processing. <b>2014</b> , 5, 434-443		12
232	Processing and Deformation Characteristics of Metals Reinforced with Ceramic Nanoparticles. <b>2014</b> , 269-304		19
231	Optimizing Powder Distribution in Production of Surface Nano-Composite via Friction Stir Processing. <b>2014</b> , 45, 821-826		21
230	Fabrication and mechanical properties of bulk NiTiP/Al composites prepared by friction stir processing. <b>2014</b> , 586, 368-374		76
229	Effects of post-annealing on the microstructure and mechanical properties of friction stir processed AlMgTiO <sub>2</sub> nanocomposites. <b>2014</b> , 63, 30-41		36
228	Microstructures and Mechanical Properties of Aluminum Coating Produced by Friction Stir Processing. <b>2015</b> , 1095, 612-615		
227	Enhancing Corrosion and Wear Resistance of AA6061 by Friction Stir Processing with FeSiB Glass Particles. <b>2015</b> , 8, 5084-5097		10
226	Friction Stir Processing of Al-TiB <sub>2</sub> In Situ Composite: Effect on Particle Distribution, Microstructure and Properties. <b>2015</b> , 24, 1116-1124		24
225	Fabrication of metal matrix composites by friction stir processing with different Particles and processing parameters. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 626, 505-513	5-3	112
224	Fabrication of novel fiber reinforced aluminum composites by friction stir processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 632, 50-57	5-3	26

223	Fabrication and wear characterization of an A413/Ni surface metal matrix composite fabricated via friction stir processing. <b>2015</b> , 85, 471-482		26
222	Layer-Graded Cu/B4C/Graphite Hybrid Composites: Processing, Characterization, and Evaluation of Their Mechanical and Wear Behavior. <b>2015</b> , 58, 718-728		18
221	Surface composites by friction stir processing: A review. <b>2015</b> , 224, 117-134		323
220	Microstructure and pitting corrosion of armor grade AA7075 aluminum alloy friction stir weld nugget zone [Effect of post weld heat treatment and addition of boron carbide. <b>2015</b> , 11, 166-173		56
219	Optimization of Mechanical and Wear Properties of Functionally Graded Al6061/SiC Nanocomposites Produced by Friction Stir Processing (FSP). <b>2015</b> , 28, 584-590		19
218	Fabrication of Al5083/B4C surface composite by friction stir processing and its tribological characterization. <b>2015</b> , 4, 398-410		161
217	Thermal stability of an ultrafine-grained dual phase TWIP steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 638, 5-14	5-3	14
216	Manufacturing a Surface Composite Material Made of Nanoceramic Particles of TiC and Aluminum Alloy 7075 by Means of Friction Stir Processing. <b>2015</b> , 199-206		1
215	Experimental investigation on the effect of process environment on the mechanical properties of AA5083/Al <sub>2</sub> O <sub>3</sub> nanocomposite fabricated via friction stir processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 645, 40-46	5-3	26
214	Wear Behavior and Micro-structural Study of Al/Al <sub>2</sub> O <sub>3</sub> Nano-composites Before and After Heat Treatment. <b>2015</b> , 2, 1892-1900		8
213	Friction stir processing of an aluminum-magnesium alloy with pre-placing elemental titanium powder: In-situ formation of an Al <sub>3</sub> Ti-reinforced nanocomposite and materials characterization. <b>2015</b> , 108, 102-114		61
212	Microstructural and mechanical behaviors of nano-SiC-reinforced AA7075-O FSW joints prepared through two passes. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 626, 220-228	5-3	47
211	Enhancement of wear and ballistic resistance of armour grade AA7075 aluminium alloy using friction stir processing. <b>2015</b> , 11, 10-17		72
210	Wear performance of Al/TiN dispersion strengthened surface composite produced through friction stir process: A comparison of tool geometries and number of passes. <b>2015</b> , 324-325, 45-54		46
209	Modeling Tensile Strength of AlBiC Functionally Graded Composite Produced Using Friction Stir Processing (FSP). <b>2015</b> , 68, 319-325		8
208	Surface reinforcement of AA5083-H111 by friction stir processing assisted by electrical current. <b>2015</b> , 216, 375-380		23
207	Synthesis and characterization of titanium carbide particulate reinforced AA6082 aluminium alloy composites via friction stir processing. <b>2015</b> , 15, 324-334		87
206	The Role of Friction Stir Processing (FSP) Parameters on TiC Reinforced Surface Al7075-T651 Aluminum Alloy. <b>2016</b> , 21, 508-516		8

205	The influence of heat treatment on microstructure and wear properties of friction stir welded AA6061-T6/Al <sub>2</sub> O <sub>3</sub> nanocomposite joint at four different traveling speed. <b>2016</b> , 22, 90-98	35
204	Magnetic Properties of Friction Stir Processed Composite. <b>2016</b> , 68, 1925-1931	5
203	Dissimilar friction stir welding of aluminum alloys reinforced with carbon nanotubes. <b>2016</b> , 1,	
202	Microstructure, Hardness and Impact Toughness of Heat-Treated Nanodispersed Surface and Friction Stir-Processed Aluminum Alloy AA7075. <b>2016</b> , 25, 5087-5101	22
201	Different strategies of secondary phase incorporation into metallic sheets by friction stir processing in developing surface composites. <b>2016</b> , 11,	18
200	Wear Behavior of Aluminum Matrix Hybrid Composites Fabricated through Friction Stir Welding Process. <b>2016</b> , 23, 1119-1126	20
199	Effects of Friction Stir Processing on the Phase Transformation and Microstructure of TiO <sub>2</sub> -Compounded Ti-6Al-4V Alloy. <b>2016</b> , 47, 5675-5679	38
198	Relation between thermal effect and phase transformation of aluminium matrix surface composite adding Al-based amorphous fabricated by FSP. <b>2016</b> , 131, 65-68	9
197	Effect of friction stir processing pass sequence on properties of Mg <sub>2</sub> SiO <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> surface hybrid micro/nano-composites. <b>2016</b> , 108, 1-7	32
196	Chemical interaction of liquid aluminum with metal oxides in molten salts. <b>2016</b> , 105, 124-132	11
195	Study of Joining Different Types of Polymers by Friction Stir Welding. <b>2016</b> , 731-739	2
194	Preparation of Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> particle-reinforced copper through plasma spraying and friction stir processing. <b>2016</b> , 90, 922-930	21
193	Fatigue fracture of friction-stir processed Al <sub>3</sub> Ti/MgO hybrid nanocomposites. <b>2016</b> , 87, 266-278	34
192	Friction-stir processing of an AA8026-TiB <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> hybrid nanocomposite: Microstructural developments and mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 660, 84-96	53 55
191	Shear compaction processing of SiC nanoparticles reinforced magnesium composites directly from magnesium chips. <b>2016</b> , 22, 39-48	8
190	Influence of hybrid ratio and friction stir processing parameters on ultimate tensile strength of 5083 aluminum matrix hybrid composites. <b>2016</b> , 93, 26-34	41
189	Dissimilar Friction Stir Welding Between 5083 and 6082 Al Alloys Reinforced With TiC Nanoparticles. <b>2016</b> , 31, 2101-2114	48
188	An experimental study on multi-pass Friction stir processing of Al/TiN composite: some microstructural, mechanical, and wear characteristics. <b>2016</b> , 84, 533-546	25



187	Wear properties of Al <sub>2</sub> O <sub>3</sub> /TiB <sub>2</sub> surface hybrid composite layer prepared by friction stir process. <b>2016</b> , 50, 1457-1466	38
186	Influences of graphite reinforcement on the tribological properties of self-lubricating aluminum matrix composites for green tribology, sustainability, and energy efficiency – review. <b>2016</b> , 83, 325-346	84
185	Microstructural Study and Mechanical Properties of Dissimilar Friction Stir Welded AA5083-H111 and AA6082-T6 Reinforced with SiC Nanoparticles. <b>2016</b> , 31, 264-274	60
184	Fabrication of metal-matrix AL7075T651/TiN nano composite employing friction stir process. <b>2017</b> , 231, 1319-1331	18
183	Fabrications of Surface Nanocomposite by Friction Stir Processing to Improve Mechanical and Microstructural Properties of Low Carbon Steel. <b>2017</b> , 70, 1193-1198	5
182	Al <sub>2</sub> O <sub>3</sub> -fortified AA6061-T6 joint produced via friction stir welding: The effects of traveling speed on microstructure, mechanical, and wear properties. <b>2017</b> , 231, 534-543	
181	Effect of Nano Particle Deposition on Mechanical Properties of Friction Stir Welded Dissimilar Aluminium Alloys by Taguchi Technique. <b>2017</b> , 70, 1005-1017	9
180	Control of Reaction Kinetics During Friction Stir Processing. <b>2017</b> , 48, 2115-2119	1
179	Friction Stir Processing of Al with Mechanically Alloyed Al-TiO <sub>2</sub> -Graphite Powder: Microstructure and Mechanical Properties. <b>2017</b> , 26, 1455-1462	16
178	Surface Modification of Titanium by Producing Ti/TiN Surface Composite Layers via FSP. <b>2017</b> , 30, 550-557	9
177	Friction Stir Processing of Aerospace Aluminum Alloy by Addition of Carbon Nano Tube. <b>2017</b> , 70, 2241-2253	12
176	Reactive friction-stir processing of nanocomposites: effects of thermal history on microstructure-mechanical property relationships. <b>2017</b> , 33, 1776-1789	13
175	Aluminium based in-situ composite fabrication through friction stir processing: A review. <b>2017</b> , 715, 91-104	105
174	Experimental investigation of Mg/SiC composite fabrication via friction stir processing. <b>2017</b> , 91, 781-790	20
173	Fabrication and characterization of in-situ Al/Nb metal/intermetallic surface composite by friction stir processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 702, 189-195	5-3 23
172	Influence of heat treatment on mechanical properties and microstructure of the Al <sub>2</sub> O <sub>3</sub> /SiC composite produced by multi-pass friction stir processing. <b>2017</b> , 104, 151-158	30
171	Estimation of strength and wear properties of Mg/SiC nanocomposite fabricated through FSP route. <b>2017</b> , 39, 4613-4622	14
170	The effect of reinforcement type on the microstructure, mechanical properties, and wear resistance of A356 matrix composites produced by FSP. <b>2017</b> , 91, 1391-1407	35

169	Microstructural evolution in ultrafine grained Al-Graphite composite synthesized via combined use of ultrasonic treatment and friction stir processing. <b>2017</b> , 726, 358-366	17
168	Effect of multi-pass friction stir processing on the microstructure, mechanical and wear properties of AA5083/ZrO <sub>2</sub> nanocomposites. <b>2017</b> , 726, 1262-1273	87
167	Synthesis of new metal-matrix Al <sub>2</sub> O <sub>3</sub> /graphene composite materials. <b>2017</b> , 2017, 631-641	14
166	In-situ fabrication of Al <sub>3</sub> Zr aluminide reinforced AA3003 alloy composite by friction stir processing. <b>2017</b> , 131, 78-90	14
165	Surface modifications of an aluminum-magnesium alloy through reactive stir friction processing with titanium oxide nanoparticles for enhanced sliding wear resistance. <b>2017</b> , 309, 114-123	47
164	Ex Situ Production Routes for Metal Matrix Nanocomposites. <b>2017</b> , 19-40	6
163	Influence of particulate reinforcement on microstructure evolution and tensile properties of in-situ polymer derived MMC by friction stir processing. <b>2017</b> , 113, 99-108	26
162	Hybrid multi-objective optimization of microstructural and mechanical properties of B <sub>4</sub> C/A356 composites fabricated by FSP using TOPSIS and modified NSGA-II. <b>2017</b> , 27, 2317-2333	35
161	Microstructure of Multi-Pass Friction-Stir-Processed Al-Zn-Mg-Cu Alloys Reinforced by Nano-Sized TiB <sub>2</sub> Particles and the Effect of T6 Heat Treatment. <b>2017</b> , 7, 530	20
160	Effect of Multi-Pass Friction Stir Processing on Mechanical Properties for AA2024/Al <sub>2</sub> O <sub>3</sub> Nanocomposites. <b>2017</b> , 10,	50
159	Production and characterization of A5083/Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> hybrid surface nanocomposite by friction stir processing. <b>2018</b> , 232, 287-293	8
158	Abrasive wear Behaviour of TiB <sub>2</sub> Fabricated Aluminum 6061. <b>2018</b> , 5, 268-275	14
157	Optimization of cold-sprayed AA2024/Al <sub>2</sub> O <sub>3</sub> metal matrix composites via friction stir processing: Effect of rotation speeds. <b>2018</b> , 34, 2167-2177	39
156	Microstructure Characterization of Al-TiC Surface Composite Fabricated by Friction Stir Processing. <b>2018</b> , 330, 012060	12
155	Joining and fabrication of metal matrix composites by friction stir welding/processing. <b>2018</b> , 5, 151-172	25
154	Friction stir processing strategies to develop a surface composite layer on AA6061-T6. <b>2018</b> , 33, 1133-1140	16
153	Friction Stir Welding of Al-B <sub>4</sub> C Composite Fabricated by Accumulative Roll Bonding: Evaluation of Microstructure and Mechanical Behavior. <b>2018</b> , 27, 835-846	20
152	Surface Composites by FSP. <b>2018</b> , 93-115	2

151	Effects of alumina nanoparticles on the microstructure, strength and wear resistance of poly(methyl methacrylate)-based nanocomposites prepared by friction stir processing. <b>2018</b> , 79, 246-253	44
150	Wear Behavior of AZ31/Al <sub>2</sub> O <sub>3</sub> Magnesium Matrix Surface Nanocomposite Fabricated via Friction Stir Processing. <b>2018</b> , 27, 2010-2017	20
149	Microstructure, Mechanical and Sliding Wear Behavior of AA5083B4C/SiC/TiC Surface Composites Fabricated Using Friction Stir Processing. <b>2018</b> , 71, 1519-1529	17
148	Reinforcement with alumina particles at the interface region of AA6101-T6 and AA1350 alloys during friction stir welding. <b>2018</b> , 5, 046521	6
147	Investigating the effects of traveling speeds and post-weld heat treatment on mechanical properties of nano-Al <sub>2</sub> O <sub>3</sub> -fortified AA6061-T6 friction stir welds. <b>2018</b> , 232, 816-828	1
146	Effect of tool pin profile on distribution of reinforcement particles during friction stir processing of B4C/aluminum composites. <b>2018</b> , 232, 637-651	23
145	Friction-stir welding of aluminum alloy with an iron-based metal as reinforcing material. <b>2018</b> , 25, 123-131	3
144	Issues and strategies in composite fabrication via friction stir processing: A review. <b>2018</b> , 33, 239-261	70
143	Synthesis and tribological investigation of Al-SiC based nano hybrid composite. <b>2018</b> , 57, 1323-1330	41
142	Friction stir processing [State of the art. <b>2018</b> , 18, 114-129	110
141	The role of SiC and TiC nanoparticle reinforcement on AA5083-H111 friction stir welds studied by electron microscopy and mechanical testing. <b>2018</b> , 94, 4159-4176	8
140	A Review of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing. <b>2018</b> , 43, 334-366	72
139	Friction stir based welding and processing technologies - processes, parameters, microstructures and applications: A review. <b>2018</b> , 34, 1-38	250
138	Mechanical Properties of Friction Stir Processed Al6061-BN Surface Composite. <b>2018</b> , 5, 24568-24577	5
137	Micro structure and Hardness of Steel-TiO <sub>2</sub> Composite Produced by Friction Stir Welding. <b>2018</b> , 11, 1-11	
136	Influence of groove size and reinforcements addition on mechanical properties and microstructure of friction stir welded joints. <b>2018</b> , 319, 012023	4
135	6.5 Metal Matrix Nanocomposites. <b>2018</b> , 97-137	4
134	A strategy for improving the mechanical properties of FSWed joints of non-heat-treatable Al alloys through a combination of water cooling and particle addition. <b>2018</b> , 34, 667-677	6

133	Study of Nano-Mechanical, Electrochemical and Raman Spectroscopic Behavior of Al6061-SiC-Graphite Hybrid Surface Composite Fabricated through Friction Stir Processing. <b>2018</b> , 2, 32	22
132	On the Al5083Al2O3TiO2 Hybrid Surface Nanocomposite Produced by Friction Stir Processing. <b>2018</b> , 54, 409-415	8
131	A356/TiO2 Nanocomposite Fabricated by Friction Stir Processing: Microstructure, Mechanical Properties and Tribologic Behavior. <b>2018</b> , 70, 2626-2635	7
130	Incorporating oxygen-free copper to improve the microstructure and mechanical properties of friction-stir-welded joints for aluminum alloys. <b>2018</b> , 25, 1219-1228	0
129	High temperature characteristics of Al2024/SiC metal matrix composite fabricated by friction stir processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 731, 487-494	5.3 30
128	Friction stir welding of API X70 steel incorporating Ti-dioxide. <b>2019</b> , 58, 69-81	5
127	Sandwich Method: Strategy to Fabricate Al/SiC Composites by FSP. <b>2019</b> , 72, 3249-3259	1
126	Processing Techniques to Develop Metallic Materials with Superior Mechanical Properties. <b>2019</b> , 72, 2877-2891	
125	Evaluation of microstructure and tribological characterization of friction stir processed Al 6063 / B4C+SiO2 composites. <b>2019</b> ,	3
124	Microstructure investigation, mechanical properties and wear behavior of Al 1050/SiC composites fabricated by friction stir processing (FSP). <b>2019</b> , 6, 096522	5
123	Fabrication and optimization of AA7075 matrix surface composites using Taguchi technique via friction stir processing (FSP). <b>2019</b> , 1, 025015	25
122	Friction stir processing of alloys with secondary phase particles: an overview. <b>2019</b> , 34, 1429-1457	15
121	Effect of tribological properties on friction stir processed surface composite. <b>2019</b> , 19, 615-621	
120	Electrochemical study of the surface metal matrix composite developed on AA 2024-T351 by the friction stir process. <b>2019</b> , 54, 715-725	2
119	Wear modes in open porosity titanium matrix composites with TiC addition processed by spark plasma sintering. <b>2019</b> , 29, 1653-1664	14
118	Corrosion behaviour of Al 7075 /TiC composites processed through friction stir processing. <b>2019</b> , 15, 21-29	15
117	Investigating the effects of hybrid reinforcement particles on the microstructural, mechanical and tribological properties of friction stir processed copper surface composites. <b>2019</b> , 174, 107057	39
116	Through-thickness inhomogeneity in microstructure and tensile properties and tribological performance of friction stir processed AA1050-Al2O3 nanocomposite. <b>2019</b> , 174, 107061	29

115	The effect of annealing treatment on the evolution of the microstructure, the mechanical properties and the texture of nano SiC reinforced aluminium matrix alloys with ultrafine grained structure. <b>2019</b> , 154, 80-93	18
114	Advanced Metal Matrix Nanocomposites. <b>2019</b> , 9, 330	96
113	Surface composite on Cu substrate with SiO <sub>2</sub> reinforcement fabricated by severe plastic deformation: Microstructure, mechanical and tribological properties. <b>2019</b> , 793, 86-95	10
112	Microstructural, Tribological and Mechanical Properties Evolution of ZrSiO <sub>4</sub> /A4047 Surface Composite Fabricated through Friction Stir Processing. <b>2019</b> , 72, 1765-1774	11
111	Assessment of tool wear and mechanical properties of Al 7075 nanocomposite in friction stir processing (FSP). <b>2019</b> , 41, 1	16
110	Microstructural assessment and mechanical properties of electron beam welding of AlSi10Mg specimens fabricated by selective laser melting. <b>2019</b> , 270, 228-240	14
109	A combined friction stir processing and ball milling route for fabrication Al5083-Al <sub>2</sub> O <sub>3</sub> nanocomposite. <b>2019</b> , 6, 065012	8
108	Development of High-Strength and High-Electrical Conductivity CuZr Alloy Through Friction Stir Processing. <b>2019</b> , 72, 1431-1435	6
107	Effect of SiC Particles on Structure Property and Wear Resistance of AA6061/SiC Surface Composite Fabricated Via Friction Stir Processing. <b>2019</b> , 57, 631-639	2
106	Microstructure and Wear Properties of Surface Composite Layer Produced by Friction Stir Processing (FSP) in AA2024-T351 Aluminum Alloy. <b>2019</b> , 50, 2860-2874	2
105	Surface development by reinforcing nano-composites during friction stir processing <a href="#">[a]</a> review. <b>2019</b> , 18, 653-687	3
104	Microstructure and mechanical properties of Al/SiC surface composite with different volume fractions using friction stir process. <b>2019</b> , 634, 012046	7
103	Producing of Al/MWC surface composite by additive friction stir processing. <b>2019</b> , 34, 147-158	19
102	Process parameters optimization of friction stir processed Al 1050 aluminum alloy by response surface methodology (RSM). <b>2019</b> , 6, 026527	7
101	Towards heterogeneous Al <sub>x</sub> CoCrFeNi high entropy alloy via friction stir processing. <b>2019</b> , 236, 472-475	34
100	Properties-microstructure relationship in AlBe in situ composite produced by friction stir processing. <b>2019</b> , 233, 1955-1965	6
99	Friction stir vibration processing: a new method to improve the microstructure and mechanical properties of Al5052/SiC surface nanocomposite layer. <b>2019</b> , 100, 1463-1473	10
98	Effect of tool pin profile on the microstructure and mechanical properties of friction stir processed Al6061/Al <sub>2</sub> O <sub>3</sub> -TiB <sub>2</sub> surface hybrid composite layer. <b>2019</b> , 233, 900-912	8

97	Wear and mechanical properties of surface hybrid metal matrix composites on AlSi aluminum alloys fabricated by friction stir processing. <b>2019</b> , 233, 790-799	16
96	Effect of tool shoulder geometry on fabrication of Al/Al <sub>2</sub> O <sub>3</sub> surface nano composite by friction stir processing. <b>2020</b> , 38, 121-130	13
95	Microstructural evolution and mechanical properties of thermomechanically processed AZ31 magnesium alloy reinforced by micro-graphite and nano-graphene particles. <b>2020</b> , 815, 152231	12
94	Raman spectroscopy study of graphene formed by in situ chemical interaction of an organic precursor with a molten aluminium matrix. <b>2020</b> , 51, 221-231	5
93	Effect of SiC nano particles on grain stability of friction stir processed AA7075. <b>2020</b> , 27, 2586-2590	1
92	Recent research progresses in Al-7075 based in-situ surface composite fabrication through friction stir processing: A review. <b>2020</b> , 262, 114708	12
91	Enhanced Mechanical Properties and Thermal Conductivity for GNPs/Al <sub>2</sub> O <sub>3</sub> Composites with In Situ SiC Nanorods. <b>2020</b> , 27, 4263	6
90	Microstructure and mechanical properties of CuZn-Al <sub>2</sub> O <sub>3</sub> nanocomposites produced by friction stir processing. <b>2020</b> , 20, 1	8
89	Influence of Silica Rich CRT and BN on Mechanical, Wear and Corrosion Characteristics of Copper-Surface Composite Processed Through Friction Stir Processing. <b>2020</b> , 13, 3431	2
88	Effect of SiC/Fly Ash Reinforcement on Surface Properties of Aluminum 7075 Hybrid Composites. <b>2020</b> , 10, 541	12
87	On the correlation between indentation hardness and tensile strength in friction stir processed materials. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 789, 139682	5.3 19
86	Friction stir process: a green fabrication technique for surface composites— review paper. <b>2020</b> , 2, 1	10
85	Effect of amount of TiB <sub>2</sub> and B <sub>4</sub> C particles on tribological behavior of Al7075/B <sub>4</sub> C/TiB <sub>2</sub> mono and hybrid surface composites produced by friction stir processing. <b>2020</b> , 390, 125680	29
84	Microstructural, mechanical and wear characteristics of aluminum matrix composites fabricated by friction stir processing. <b>2020</b> , 42, 1	21
83	Tensile and wear behaviour of friction stir welded AA5052 and AA6101-T6 aluminium alloys: effect of welding parameters. <b>2020</b> , 117, 405	4
82	The effect of powder addition manner and volume fraction of reinforcement on tribological behavior of Al7075/B <sub>4</sub> C surface composite produced by friction stir processing. <b>2020</b> , 54, 2873-2886	4
81	A novel method to enhance the performance of an ex-situ Al/Si-YSZ metal matrix composite. <b>2020</b> , 823, 153673	2
80	Investigation of tribological properties of Al-Mg-Si/SiCp nanocomposites prepared by ultrasonic assisted casting method. <b>2020</b> , 27, 1435-1442	5

79	Effects of pin diameter and number of cycles on microstructure and tensile properties of friction stir fabricated AA1050-Al <sub>2</sub> O <sub>3</sub> nanocomposite. <b>2020</b> , 9, 4506-4517	5
78	An Insight Into Metal Matrix Composites With Nano Size Reinforcement. <b>2021</b> , 42-51	2
77	Fabrication and characterization of friction stir processed Al 6061 reinforced with TiB <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> . <b>2021</b> , 12, 378-387	2
76	Machine Learning and Statistical Approach to Predict and Analyze Wear Rates in Copper Surface Composites. <b>2021</b> , 27, 220-234	14
75	A review on manufacturing the surface composites by friction stir processing. <b>2021</b> , 36, 135-170	17
74	Friction stir welding/processing of metals and alloys: A comprehensive review on microstructural evolution. <b>2021</b> , 117, 100752	154
73	Recent progress of CNTs reinforcement with metal matrix composites using friction stir processing. <b>2021</b> , 44, 1731-1738	4
72	Friction Stir Processing: A Novel Way to Produce the Surface Composite Coating. <b>2021</b> , 3-29	
71	Friction Stir Processing of Metal Matrix Composites. <b>2021</b> , 247-256	1
70	Artificial intelligent approach for process parameters modeling of friction stir processing. <b>2021</b> , 43, 326-334	1
69	Friction Stir Processing Route for Metallic Matrix Composite Production. <b>2021</b> , 702-729	1
68	Surface Composites by Friction Stir Processing. <b>2021</b> , 758-769	1
67	Crack Repairing of Aluminum Alloy 6061 by Reinforcement of Al <sub>2</sub> O <sub>3</sub> and B <sub>4</sub> C Particles Using Friction Stir Processing. 875, 238-247	
66	Morphological characterization, statistical modeling and wear behavior of AA7075-Titanium Carbide-Graphite surface composites via Friction stir processing. <b>2021</b> , 11, 2160-2180	5
65	Issues and Requirements for Aluminum Alloys Used in Aircraft Components: State of the Art. <b>2021</b> , 62, 212-225	3
64	Experimental and numerical studies on fabrication of nanoparticle reinforced aluminum matrix composites by friction stir additive manufacturing. <b>2021</b> , 12, 1898-1912	15
63	Fabrication of hybrid (AA6061/SiCp/B <sub>4</sub> C) composites using FSP method and analysing the thermal behaviour in the weld region. <b>2021</b> ,	1
62	Fabrication of Al-Zn-Mg-Cu Matrix Composite by Multi-pass Recursive Friction Stir Processing and Its Characterization. <b>2021</b> , 30, 5868-5888	0



61	Review Different Ceramic Reinforcements In Aluminium Metal Matrix Composites. <b>2021</b> , 10, 053003	3
60	Effects of Multipass Additive Friction Stir Processing on Microstructure and Mechanical Properties of Al-Zn-Cu/Al-Zn Laminated Composites. <b>2021</b> , 73, 2844-2858	
59	Two decades of friction stir processing – review of advancements in composite fabrication. 1-38	12
58	Improvement of microstructure and mechanical properties of dissimilar friction stir welded aluminum/titanium joints via aluminum oxide nanopowder. <b>2021</b> , 188, 110216	7
57	High strain rate superplasticity via friction stir processing (FSP): A review. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 819, 141499	5-3 22
56	The role of vibration and pass number on microstructure and mechanical properties of AZ91/SiC composite layer during friction stir processing. 095440622110242	9
55	Dual sided composite formation in Al 6061/B4C using novel bobbin tool friction stir processing. <b>2021</b> , 13, 1709-1721	10
54	20th Century Uninterrupted Growth in Friction Stir Processing of Lightweight Composites and Alloys. <b>2021</b> , 266, 124572	7
53	Effect of Process Parameter on Surface Composite Developed Through Friction Stir Processing: A Review. <b>2022</b> , 1-22	
52	Optimization of Friction Stir Process Parameters for Micro-Hardness and Wear Characteristics of Silicon Carbide-Reinforced Al-7075 Surface Composite. 1	3
51	Statistical Optimization of Process Parameters During the Friction Stir Processing of Al7075/Al <sub>2</sub> O <sub>3</sub> /waste Eggshell Surface Composite. <b>2022</b> , 107-118	0
50	Experimental investigations of A359/Si <sub>3</sub> N <sub>4</sub> surface composite produced by multi-pass friction stir processing. <b>2021</b> , 257, 123717	16
49	Fabrication of Wear-Resistant Ti <sub>3</sub> AlC <sub>2</sub> /Al <sub>3</sub> Ti Hybrid Aluminum Composites by Friction Stir Processing. <b>2020</b> , 51, 4086-4099	8
48	Synthesis of Deformation-Induced Nanocomposites on Aluminium D16 Alloy Surface by Ultrasonic Impact Treatment. <b>2016</b> , 38, 545-563	14
47	Peculiarities of Structure and Phase Formation in the Surface Layers of 2024 Aluminium Alloy due to Ultrasonic Impact Treatment in Various Environments. <b>2017</b> , 39, 49-68	11
46	Microstructure and Mechanical Properties of Friction Stir Welded and Processed Joints with the Addition of Nanoparticles: A Review. <b>2020</b> , 6, 82-90	2
45	Particle Distribution and Tool Wear in Friction Stir Processed Al-SiCp Coatings. <b>2010</b> , 47, 217-226	2
44	Friction and Wear of Aluminum Alloys and Composites. <b>2017</b> , 509-532	4



43	Magnesium Based Composite Via Friction Stir Processing. <b>2013</b> , 245-252	1
42	Manufacturing a Surface Composite Material Made of Nanoceramic Particles of TiC and Aluminum Alloy 7075 by Means of Friction Stir Processing. <b>2015</b> , 199-206	1
41	Compositing Technology through Friction Stir Processing. <b>2015</b> , 4, 148-152	1
40	Improvement of Mechanical Properties and Morphological Studies of Friction Stir Processed Composites. <b>2018</b> , 152-179	
39	Friction and Wear of Aluminum Alloys and Composites. <b>2019</b> , 130-151	
38	INVESTIGATION OF MICROSTRUCTURE AND HARDNESS PROPERTIES OF AGED AA 7075 MATRIX B4C / SiC REINFORCED COMPOSITE-HYBRID MATERIALS.	2
37	Influence of the Microstructural and Mechanical Properties of Reinforced Graphene in Magnesium Matrix Fabricated by Friction Stir Processing. <b>2020</b> , 235-247	
36	Tensile and Hardness Behavior of RRA Treated Aluminum 7075 Alloy. <b>2021</b> , 563-575	
35	Aluminium composites prepared by laser cladding assisted by friction stir processing. <b>2020</b> , 7, 116521	
34	A study on the microstructure, hardness, and tribological behavior of aluminum-based metalmatrix composite fabricated through recursive friction stir processing. <b>2021</b> , 235, 671-683	2
33	Fabrication of surface composites on different aluminium alloys via friction stir process - A review report. 1-24	1
32	Effect of single and double pass friction stir processing on microhardness and wear properties of AA5083/Al <sub>2</sub> O <sub>3</sub> surface composites. <b>2022</b> ,	1
31	Mechanical Properties of Aluminum Matrix Composites Reinforced by in Situ Al <sub>2</sub> O <sub>3</sub> Nanoparticles Fabricated Via Direct Chemical Reaction Under Salt Flux.	0
30	An Insight into High Entropy Alloys with a Focus on Friction Stir Processing. <b>2022</b> , 1222, 012009	0
29	Plastic Forming of In-Situ Aluminum Matrix Composites. <b>2022</b> , 209-253	
28	A review on reinforced particles used on the production of FSP composites. <b>2022</b> , 56, 2392-2397	0
27	Fabrication of Al-Zr -Mg-Ni matrix composite with TiC reinforcement by multi-pass recursive friction stir processing and its characterization. <b>2022</b> ,	
26	Effect of friction stir processing parameters on producing AA6061/ tungsten carbide nanocomposite. 095440892210835	1

25	Evaluation of microstructure and tribological behavior of FS-processed Al/SiC-BN <sub>h</sub> hybrid composite on the Al-1050 substrate. <b>2022</b> , 31, 103304	1
24	Investigation of mechanical and tribological behavior of SiC and B <sub>4</sub> C reinforced Al-Zn-Mg-Si-Cu alloy matrix surface composites fabricated via friction stir processing. <b>2022</b> , 31, 103419	0
23	Effect of friction stir processing on microstructural and mechanical properties of lightweight composites and cast metal alloys [A review]. <b>2021</b> , 34, 169-195	2
22	Synthesis of Composite with the Eutectic Composition of Al <sub>70</sub> /Cu System on the Surface of 2024 Aluminium Alloy by High-Frequency Impact Treatment. <b>2021</b> , 43, 1455-1470	
21	A review of recent progress in the fabrication of surface composites through friction stir processing. <b>2022</b> ,	2
20	Effect on wear property of aluminium metal matrix composite reinforced with different solid lubricants: a review.	1
19	Mechanical, wear, and corrosion properties investigation of ZE41/TiB <sub>2</sub> surface composites fabricated by friction stir processing. 1-14	0
18	Manufacturing of coarse and ultrafine-grained aluminum matrix composites reinforced with Al <sub>2</sub> O <sub>3</sub> nanoparticles via friction stir processing. <b>2022</b> , 80, 359-373	2
17	Applications of reinforcement particles in the fabrication of Aluminium Metal Matrix Composites by Friction Stir Processing - A Review. <b>2022</b> , 9, 26	0
16	Microstructure and Mechanical Behaviour of Reinforced Aluminium-Based Surface Composites Synthesized by Friction Stir Processing Route: A Review. <b>2022</b> , 397-408	0
15	Mechanical and Thermal Properties of Aluminum Matrix Composites Reinforced by In Situ Al <sub>2</sub> O <sub>3</sub> Nanoparticles Fabricated via Direct Chemical Reaction in Molten Salts. <b>2022</b> , 12, 8907	0
14	Characterization of AA7075 Surface Composites with Ex Situ Al <sub>2</sub> O <sub>3</sub> /SiC Reinforcements Tailored Using Friction Stir Processing.	0
13	Investigating the Effect of Multi-pass Friction Stir Processing of SiC Particles on Temperature Distribution, Microstructure and Mechanical Properties of AA6061-T6 Plate.	0
12	Fabrication of Al 6082/SiC Composite Using Friction Stir Processing.	0
11	Microstructural Evolution & Mechanical Properties of ZrO <sub>2</sub> /GNP and B <sub>4</sub> C/GNP reinforced AA6061 Friction Stir Processed Surface Composites - A Comparative study. 095440542211269	0
10	Enhancement of tensile and fatigue properties of hybrid aluminium matrix composite via multipass friction stir processing. <b>2022</b> ,	0
9	Effect of Mono and Hybrid Reinforcement on Microhardness and Wear Behavior of Al/Mn Alloy Based Surface Composites Produced by Friction Stir Processing.	0
8	Microstructure and mechanical properties of Al/graphite- zirconium oxide hybrid composite fabricated by friction stir processing. <b>2023</b> , 862, 144470	0

- 7 A review of recent advances and applications of machine learning in tribology. **2023**, 25, 4408-4443 ○
- 6 Tribological Behaviour and Microstructure of an Aluminium Alloy-Based g-SiC Hybrid Surface Composite Produced by FSP. **2023**, 11, 124 ○
- 5 Enhanced fatigue properties of AA5086 friction stir weld joints by Cu-reinforcement. **2023**, 869, 144778 ○
- 4 Investigation into microstructural evolution, mechanical and tribological properties of an aluminum surface composite developed using a severe plastic deformation technique. 095440622311625 ○
- 3 Microstructural Aspects of the Fabrication of Al/Al<sub>2</sub>O<sub>3</sub> Composite by Friction Stir Processing. **2023**, 16, 2898 ○
- 2 Consequences of the rotational speed and profile of tool pin in microstructure and mechanical properties of AA8011/ZrO<sub>2</sub> composite produced by FSW. ○
- 1 Evaluation of microstructural, tribological and tensile characteristics of AA7075 surface composites fabricated through friction stir process. 095440892311709 ○