

Mohammed Naffakh

List of Publications by Year in Descending Order

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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.

66

papers

2,558

citations

31

h-index

48

g-index

70

ext. papers

2,834

ext. citations

5.7

avg, IF

5.1

L-index

#	Paper	IF	Citations
66	Nanocomposite Materials with Poly(L-lactic Acid) and Transition-Metal Dichalcogenide Nanosheets 2D-TMDCs WS. <i>Polymers</i> , 2020 , 12,	4.5	1
65	Effect of WS ₂ Inorganic Nanotubes on Isothermal Crystallization Behavior and Kinetics of Poly(3-Hydroxybutyrate-co-3-hydroxyvalerate). <i>Polymers</i> , 2018 , 10,	4.5	4
64	Morphology and thermal properties of biodegradable poly(hydroxybutyrate-co-hydroxyvalerate)/tungsten disulphide inorganic nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , 2016 , 170, 145-153	4.4	22
63	Polymer blend nanocomposites based on poly(L-lactic acid), polypropylene and WS ₂ inorganic nanotubes. <i>RSC Advances</i> , 2016 , 6, 40033-40044	3.7	14
62	WS ₂ inorganic nanotubes reinforced poly(L-lactic acid)/hydroxyapatite hybrid composite biomaterials. <i>RSC Advances</i> , 2015 , 5, 65514-65525	3.7	13
61	Isothermal crystallization kinetics and melting behavior of poly(L-lactic acid)/WS ₂ inorganic nanotube nanocomposites. <i>Journal of Materials Science</i> , 2015 , 50, 6066-6074	4.3	10
60	Bio-based polymer nanocomposites based on nylon 11 and WS ₂ inorganic nanotubes. <i>RSC Advances</i> , 2015 , 5, 17879-17887	3.7	7
59	Non-Isothermal Cold-Crystallization Behavior and Kinetics of Poly(L-Lactic Acid)/WS ₂ Inorganic Nanotube Nanocomposites. <i>Polymers</i> , 2015 , 7, 2175-2189	4.5	19
58	Synthesis and Characterization of Poly(Phenylene Sulfide)-Grafted Carbon Nanotube Nanocomposites 2015 , 75-102		
57	Development of novel melt-processable biopolymer nanocomposites based on poly(L-lactic acid) and WS ₂ inorganic nanotubes. <i>CrystEngComm</i> , 2014 , 16, 5062	3.3	30
56	Inorganic WS ₂ nanotubes that improve the crystallization behavior of poly(3-hydroxybutyrate). <i>CrystEngComm</i> , 2014 , 16, 1126-1135	3.3	22
55	Nanocomposite biomaterials based on poly(ether-ether-ketone) (PEEK) and WS inorganic nanotubes. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4509-4520	7.3	26
54	Thermoplastic Polymer Nanocomposites Based on Inorganic Fullerene-like Nanoparticles and Inorganic Nanotubes. <i>Inorganics</i> , 2014 , 2, 291-312	2.9	36
53	Multiscale fiber-reinforced thermoplastic composites incorporating carbon nanotubes: A review. <i>Current Opinion in Solid State and Materials Science</i> , 2014 , 18, 62-80	12	70
52	Novel polypropylene/inorganic fullerene-like WS ₂ nanocomposites containing a β nucleating agent: Mechanical, tribological and rheological properties. <i>Materials Chemistry and Physics</i> , 2014 , 144, 98-106	4.4	17
51	Novel poly(3-hydroxybutyrate) nanocomposites containing WS ₂ inorganic nanotubes with improved thermal, mechanical and tribological properties. <i>Materials Chemistry and Physics</i> , 2014 , 147, 273-284	4.4	31
50	Mechanical and thermal behaviour of isotactic polypropylene reinforced with inorganic fullerene-like WS ₂ nanoparticles: Effect of filler loading and temperature. <i>Materials Chemistry and Physics</i> , 2013 , 141, 979-989	4.4	16

49	Enhancing the thermomechanical behaviour of poly(phenylene sulphide) based composites via incorporation of covalently grafted carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 54, 10-19	8.4	47
48	Evaluating the Reinforcement of Inorganic Fullerene-like Nanoparticles in Thermoplastic Matrices by Depth-Sensing Indentation. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20936-20943	3.8	20
47	Opportunities and challenges in the use of inorganic fullerene-like nanoparticles to produce advanced polymer nanocomposites. <i>Progress in Polymer Science</i> , 2013 , 38, 1163-1231	29.6	136
46	Polypropylene/glass fiber hierarchical composites incorporating inorganic fullerene-like nanoparticles for advanced technological applications. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9691-700	9.5	29
45	Inorganic Nanoparticle-Modified Poly(Phenylene Sulphide)/ Carbon Fiber Laminates: Thermomechanical Behaviour. <i>Materials</i> , 2013 , 6, 3171-3193	3.5	25
44	Synthesis and characterization of nitrated and aminated poly(phenylene sulfide) derivatives for advanced applications. <i>Materials Chemistry and Physics</i> , 2012 , 131, 605-614	4.4	36
43	High-performance nanocomposites based on polyetherketones. <i>Progress in Materials Science</i> , 2012 , 57, 1106-1190	42.2	187
42	Tuning the properties of carbon fiber-reinforced poly(phenylene sulphide) laminates via incorporation of inorganic nanoparticles. <i>Polymer</i> , 2012 , 53, 2369-2378	3.9	47
41	Towards the development of poly(phenylene sulphide) based nanocomposites with enhanced mechanical, electrical and tribological properties. <i>Materials Chemistry and Physics</i> , 2012 , 135, 348-357	4.4	31
40	New inorganic nanotube polymer nanocomposites: improved thermal, mechanical and tribological properties in isotactic polypropylene incorporating INT-MoS ₂ . <i>Journal of Materials Chemistry</i> , 2012 , 22, 17002		34
39	Morphology and thermal properties of novel poly(phenylene sulfide) hybrid nanocomposites based on single-walled carbon nanotubes and inorganic fullerene-like WS ₂ nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1418-1425		39
38	Novel polypropylene/inorganic fullerene-like WS ₂ nanocomposites containing a nucleating agent: isothermal crystallization and melting behavior. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 1788-954		20
37	Rheological and tribological properties of carbon nanotube/thermoplastic nanocomposites incorporating inorganic fullerene-like WS ₂ nanoparticles. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7959-69		48
36	Mechanical and electrical properties of carbon nanotube/poly(phenylene sulphide) composites incorporating polyetherimide and inorganic fullerene-like nanoparticles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 603-612	8.4	65
35	Flammability properties of PEEK and carbon nanotube composites. <i>Polymer Degradation and Stability</i> , 2012 , 97, 2492-2502	4.7	32
34	Grafting of an aminated poly(phenylene sulphide) derivative to functionalized single-walled carbon nanotubes. <i>Carbon</i> , 2012 , 50, 857-868	10.4	55
33	Novel polypropylene/inorganic fullerene-like WS ₂ nanocomposites containing a nucleating agent: dynamic crystallization and melting behavior. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 10836-43		20
32	Dynamic crystallization kinetics and nucleation parameters of a new generation of nanocomposites based on isotactic polypropylene and MoS ₂ inorganic nanotubes. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 2850-6	3.4	16

31	Towards a new generation of polymer nanocomposites based on inorganic nanotubes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3574		30
30	New hybrid nanocomposites containing carbon nanotubes, inorganic fullerene-like WS2 nanoparticles and poly(ether ether ketone) (PEEK). <i>Journal of Materials Chemistry</i> , 2011 , 21, 7425		47
29	Effect of particle size and a processing aid on the crystallization and melting behavior of iPP/red pine wood flour composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 935-949	8.4	19
28	Solvent-free preparation of high-toughness epoxy--SWNT composite materials. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1441-50	9.5	64
27	Novel melt-processable nylon-6/inorganic fullerene-like WS2 nanocomposites: Complex isothermal crystallization kinetics and melting behaviour. <i>Materials Chemistry and Physics</i> , 2011 , 128, 265-273	4.4	14
26	Novel melt-processable nylon-6/inorganic fullerene-like WS2 nanocomposites for critical applications. <i>Materials Chemistry and Physics</i> , 2011 , 129, 641-648	4.4	27
25	Mechanical and electrical properties of novel poly(ether ether ketone)/carbon nanotube/inorganic fullerene-like WS2 hybrid nanocomposites: Experimental measurements and theoretical predictions. <i>Materials Chemistry and Physics</i> , 2011 , 130, 126-133	4.4	24
24	The crystallization of polypropylene in multiwall carbon nanotube-based composites. <i>Polymer Composites</i> , 2011 , 32, 324-333	3	33
23	Isothermal crystallization kinetics of novel isotactic polypropylene/MoS2 inorganic nanotube nanocomposites. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 2248-55	3.4	27
22	Influence of carbon nanotubes on the thermal, electrical and mechanical properties of poly(ether ether ketone)/glass fiber laminates. <i>Carbon</i> , 2011 , 49, 2817-2833	10.4	115
21	Novel Melt-Processable Nanocomposites Based on Isotactic Polypropylene and Carbon Nitride: Morphology, Crystallization, and Dynamic Mechanical Properties. <i>Soft Materials</i> , 2010 , 8, 407-425	1.7	17
20	Novel melt-processable poly(ether ether ketone)(PEEK)/inorganic fullerene-like WS(2) nanoparticles for critical applications. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11444-53	3.4	56
19	Integration of block copolymer-wrapped single-wall carbon nanotubes into a trifunctional epoxy resin. Influence on thermal performance. <i>Polymer Degradation and Stability</i> , 2010 , 95, 2065-2075	4.7	14
18	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-I. Structure and thermal properties. <i>Carbon</i> , 2010 , 48, 3485-3499	10.4	75
17	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-II. Mechanical and electrical properties. <i>Carbon</i> , 2010 , 48, 3500-3511	10.4	104
16	The influence of a compatibilizer on the thermal and dynamic mechanical properties of PEEK/carbon nanotube composites. <i>Nanotechnology</i> , 2009 , 20, 315707	3.4	73
15	Crystalline transformations in nylon-6/single-walled carbon nanotube nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6120-6	1.3	13
14	Development and characterization of PEEK/carbon nanotube composites. <i>Carbon</i> , 2009 , 47, 3079-3090	10.4	145

13	Unique nucleation activity of inorganic fullerene-like WS ₂ nanoparticles in polyphenylene sulfide nanocomposites: isokinetic and isoconversional study of dynamic crystallization kinetics. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 7107-15	3-4	37
12	Use of inorganic Fullerene-like WS ₂ to produce new high-performance polyphenylene sulfide nanocomposites: role of the nanoparticle concentration. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 10104-11	3-4	51
11	Unique isothermal crystallization behavior of novel polyphenylene sulfide/inorganic fullerene-like WS ₂ nanocomposites. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14819-28	3-4	46
10	Isothermal crystallization kinetics of isotactic polypropylene with inorganic fullerene-like WS ₂ nanoparticles. <i>Thermochimica Acta</i> , 2008 , 472, 11-16	2-9	34
9	Influence of inorganic fullerene-like WS ₂ nanoparticles on the thermal behavior of isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2309-2321	2-6	68
8	Modeling the chemorheological behavior of epoxy/liquid aromatic diamine for resin transfer molding applications. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 4228-4237	2-9	14
7	Kinetic analysis of thermo-oxidative degradation of PEEK/thermotropic liquid crystalline polymer blends. <i>Polymer Engineering and Science</i> , 2006 , 46, 129-138	2-3	11
6	Isothermal crystallization kinetics of PEEK/Vectra [®] blends by DSC and time-resolved synchrotron X-ray diffraction. <i>Polymer Engineering and Science</i> , 2006 , 46, 1411-1418	2-3	14
5	Study of a reactive epoxy/amine resin enabling in situ dissolution of thermoplastic films during resin transfer moulding for toughening composites. <i>Composites Science and Technology</i> , 2006 , 66, 1376-1384	8-6	47
4	Cure kinetics of an epoxy/liquid aromatic diamine modified with poly(ether imide). <i>Journal of Applied Polymer Science</i> , 2005 , 96, 660-672	2-9	27
3	Cure kinetics and modeling of an epoxy resin cross-linked in the presence of two different diamine hardeners. <i>Polymer Engineering and Science</i> , 2005 , 45, 1581-1589	2-3	17
2	Thermal properties, structure and morphology of PEEK/thermotropic liquid crystalline polymer blends. <i>Polymer International</i> , 2003 , 52, 1876-1886	3-3	24
1	Thermal decomposition of technological polymer blends 1. Poly(aryl ether ether ketone) with a thermotropic liquid crystalline polymer. <i>Polymer Degradation and Stability</i> , 1999 , 66, 405-413	4-7	44