

# Mohammed Naffakh

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4654490/mohammed-naffakh-publications-by-citations.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. 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.

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	High-performance nanocomposites based on polyetherketones. <i>Progress in Materials Science</i> , <b>2012</b> , 57, 1106-1190	42.2	187
65	Development and characterization of PEEK/carbon nanotube composites. <i>Carbon</i> , <b>2009</b> , 47, 3079-3090	10.4	145
64	Opportunities and challenges in the use of inorganic fullerene-like nanoparticles to produce advanced polymer nanocomposites. <i>Progress in Polymer Science</i> , <b>2013</b> , 38, 1163-1231	29.6	136
63	Influence of carbon nanotubes on the thermal, electrical and mechanical properties of poly(ether ether ketone)/glass fiber laminates. <i>Carbon</i> , <b>2011</b> , 49, 2817-2833	10.4	115
62	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-II. Mechanical and electrical properties. <i>Carbon</i> , <b>2010</b> , 48, 3500-3511	10.4	104
61	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-I. Structure and thermal properties. <i>Carbon</i> , <b>2010</b> , 48, 3485-3499	10.4	75
60	The influence of a compatibilizer on the thermal and dynamic mechanical properties of PEEK/carbon nanotube composites. <i>Nanotechnology</i> , <b>2009</b> , 20, 315707	3.4	73
59	Multiscale fiber-reinforced thermoplastic composites incorporating carbon nanotubes: A review. <i>Current Opinion in Solid State and Materials Science</i> , <b>2014</b> , 18, 62-80	12	70
58	Influence of inorganic fullerene-like WS <sub>2</sub> nanoparticles on the thermal behavior of isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 2309-2321	2.6	68
57	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> , <b>2012</b> , 43, 603-612	8.4	65
56	Solvent-free preparation of high-toughness epoxy-SWNT composite materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 1441-50	9.5	64
55	Novel melt-processable poly(ether ether ketone)(PEEK)/inorganic fullerene-like WS(2) nanoparticles for critical applications. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 11444-53	3.4	56
54	Grafting of an aminated poly(phenylene sulphide) derivative to functionalized single-walled carbon nanotubes. <i>Carbon</i> , <b>2012</b> , 50, 857-868	10.4	55
53	Use of inorganic Fullerene-like WS <sub>2</sub> to produce new high-performance polyphenylene sulfide nanocomposites: role of the nanoparticle concentration. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 10104-11	3.4	51
52	Rheological and tribological properties of carbon nanotube/thermoplastic nanocomposites incorporating inorganic fullerene-like WS <sub>2</sub> nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7959-69	3.4	48
51	Tuning the properties of carbon fiber-reinforced poly(phenylene sulphide) laminates via incorporation of inorganic nanoparticles. <i>Polymer</i> , <b>2012</b> , 53, 2369-2378	3.9	47
50	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> , <b>2013</b> , 54, 10-19	8.4	47

49	New hybrid nanocomposites containing carbon nanotubes, inorganic fullerene-like WS2 nanoparticles and poly(ether ether ketone) (PEEK). <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7425		47
48	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> , <b>2006</b> , 66, 1376-1384	8.6	47
47	Unique isothermal crystallization behavior of novel polyphenylene sulfide/inorganic fullerene-like WS2 nanocomposites. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 14819-28	3.4	46
46	Thermal decomposition of technological polymer blends 1. Poly(aryl ether ether ketone) with a thermotropic liquid crystalline polymer. <i>Polymer Degradation and Stability</i> , <b>1999</b> , 66, 405-413	4.7	44
45	Morphology and thermal properties of novel poly(phenylene sulfide) hybrid nanocomposites based on single-walled carbon nanotubes and inorganic fullerene-like WS2 nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1418-1425		39
44	Unique nucleation activity of inorganic fullerene-like WS2 nanoparticles in polyphenylene sulfide nanocomposites: isokinetic and isoconversional study of dynamic crystallization kinetics. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 7107-15	3.4	37
43	Synthesis and characterization of nitrated and aminated poly(phenylene sulfide) derivatives for advanced applications. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 131, 605-614	4.4	36
42	Thermoplastic Polymer Nanocomposites Based on Inorganic Fullerene-like Nanoparticles and Inorganic Nanotubes. <i>Inorganics</i> , <b>2014</b> , 2, 291-312	2.9	36
41	New inorganic nanotube polymer nanocomposites: improved thermal, mechanical and tribological properties in isotactic polypropylene incorporating INT-MoS2. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17002		34
40	Isothermal crystallization kinetics of isotactic polypropylene with inorganic fullerene-like WS2 nanoparticles. <i>Thermochimica Acta</i> , <b>2008</b> , 472, 11-16	2.9	34
39	The crystallization of polypropylene in multiwall carbon nanotube-based composites. <i>Polymer Composites</i> , <b>2011</b> , 32, 324-333	3	33
38	Flammability properties of PEEK and carbon nanotube composites. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 2492-2502	4.7	32
37	Novel poly(3-hydroxybutyrate) nanocomposites containing WS2 inorganic nanotubes with improved thermal, mechanical and tribological properties. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 147, 273-284	4.4	31
36	Towards the development of poly(phenylene sulphide) based nanocomposites with enhanced mechanical, electrical and tribological properties. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 348-357	4.4	31
35	Development of novel melt-processable biopolymer nanocomposites based on poly(L-lactic acid) and WS2 inorganic nanotubes. <i>CrystEngComm</i> , <b>2014</b> , 16, 5062	3.3	30
34	Towards a new generation of polymer nanocomposites based on inorganic nanotubes. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3574		30
33	Polypropylene/glass fiber hierarchical composites incorporating inorganic fullerene-like nanoparticles for advanced technological applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 9691-700	9.5	29
32	Novel melt-processable nylon-6/inorganic fullerene-like WS2 nanocomposites for critical applications. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 129, 641-648	4.4	27

31	Isothermal crystallization kinetics of novel isotactic polypropylene/MoS <sub>2</sub> inorganic nanotube nanocomposites. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 2248-55	3.4	27
30	Cure kinetics of an epoxy/liquid aromatic diamine modified with poly(ether imide). <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 96, 660-672	2.9	27
29	Nanocomposite biomaterials based on poly(ether-ether-ketone) (PEEK) and WS inorganic nanotubes. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4509-4520	7.3	26
28	Inorganic Nanoparticle-Modified Poly(Phenylene Sulphide)/ Carbon Fiber Laminates: Thermomechanical Behaviour. <i>Materials</i> , <b>2013</b> , 6, 3171-3193	3.5	25
27	Mechanical and electrical properties of novel poly(ether ether ketone)/carbon nanotube/inorganic fullerene-like WS <sub>2</sub> hybrid nanocomposites: Experimental measurements and theoretical predictions. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 126-133	4.4	24
26	Thermal properties, structure and morphology of PEEK/thermotropic liquid crystalline polymer blends. <i>Polymer International</i> , <b>2003</b> , 52, 1876-1886	3.3	24
25	Morphology and thermal properties of biodegradable poly(hydroxybutyrate-co-hydroxyvalerate)/tungsten disulphide inorganic nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 170, 145-153	4.4	22
24	Inorganic WS <sub>2</sub> nanotubes that improve the crystallization behavior of poly(3-hydroxybutyrate). <i>CrystEngComm</i> , <b>2014</b> , 16, 1126-1135	3.3	22
23	Evaluating the Reinforcement of Inorganic Fullerene-like Nanoparticles in Thermoplastic Matrices by Depth-Sensing Indentation. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 20936-20943	3.8	20
22	Novel polypropylene/inorganic fullerene-like WS <sub>2</sub> nanocomposites containing a nucleating agent: isothermal crystallization and melting behavior. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 1788-954	3.4	20
21	Novel polypropylene/inorganic fullerene-like WS <sub>2</sub> nanocomposites containing a nucleating agent: dynamic crystallization and melting behavior. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 10836-434	3.4	20
20	Non-Isothermal Cold-Crystallization Behavior and Kinetics of Poly(L-Lactic Acid)/WS <sub>2</sub> Inorganic Nanotube Nanocomposites. <i>Polymers</i> , <b>2015</b> , 7, 2175-2189	4.5	19
19	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> , <b>2011</b> , 42, 935-949	8.4	19
18	Novel polypropylene/inorganic fullerene-like WS <sub>2</sub> nanocomposites containing a nucleating agent: Mechanical, tribological and rheological properties. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 144, 98-106	4.4	17
17	Novel Melt-Processable Nanocomposites Based on Isotactic Polypropylene and Carbon Nitride: Morphology, Crystallization, and Dynamic Mechanical Properties. <i>Soft Materials</i> , <b>2010</b> , 8, 407-425	1.7	17
16	Cure kinetics and modeling of an epoxy resin cross-linked in the presence of two different diamine hardeners. <i>Polymer Engineering and Science</i> , <b>2005</b> , 45, 1581-1589	2.3	17
15	Mechanical and thermal behaviour of isotactic polypropylene reinforced with inorganic fullerene-like WS <sub>2</sub> nanoparticles: Effect of filler loading and temperature. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 141, 979-989	4.4	16
14	Dynamic crystallization kinetics and nucleation parameters of a new generation of nanocomposites based on isotactic polypropylene and MoS <sub>2</sub> inorganic nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 2850-6	3.4	16

13	Novel melt-processable nylon-6/inorganic fullerene-like WS <sub>2</sub> nanocomposites: Complex isothermal crystallization kinetics and melting behaviour. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 128, 265-273	4.4	14
12	Integration of block copolymer-wrapped single-wall carbon nanotubes into a trifunctional epoxy resin. Influence on thermal performance. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 2065-2075	4.7	14
11	Modeling the chemorheological behavior of epoxy/liquid aromatic diamine for resin transfer molding applications. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 4228-4237	2.9	14
10	Isothermal crystallization kinetics of PEEK/Vectra <sup>®</sup> blends by DSC and time-resolved synchrotron X-ray diffraction. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 1411-1418	2.3	14
9	Polymer blend nanocomposites based on poly(L-lactic acid), polypropylene and WS <sub>2</sub> inorganic nanotubes. <i>RSC Advances</i> , <b>2016</b> , 6, 40033-40044	3.7	14
8	WS <sub>2</sub> inorganic nanotubes reinforced poly(L-lactic acid)/hydroxyapatite hybrid composite biomaterials. <i>RSC Advances</i> , <b>2015</b> , 5, 65514-65525	3.7	13
7	Crystalline transformations in nylon-6/single-walled carbon nanotube nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6120-6	1.3	13
6	Kinetic analysis of thermo-oxidative degradation of PEEK/thermotropic liquid crystalline polymer blends. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 129-138	2.3	11
5	Isothermal crystallization kinetics and melting behavior of poly(l-lactic acid)/WS <sub>2</sub> inorganic nanotube nanocomposites. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 6066-6074	4.3	10
4	Bio-based polymer nanocomposites based on nylon 11 and WS <sub>2</sub> inorganic nanotubes. <i>RSC Advances</i> , <b>2015</b> , 5, 17879-17887	3.7	7
3	Effect of WS <sub>2</sub> inorganic Nanotubes on Isothermal Crystallization Behavior and Kinetics of Poly(3-Hydroxybutyrate-co-3-hydroxyvalerate). <i>Polymers</i> , <b>2018</b> , 10,	4.5	4
2	Nanocomposite Materials with Poly(l-lactic Acid) and Transition-Metal Dichalcogenide Nanosheets 2D-TMDCs WS. <i>Polymers</i> , <b>2020</b> , 12,	4.5	1
1	Synthesis and Characterization of Poly(Phenylene Sulfide)-Grafted Carbon Nanotube Nanocomposites <b>2015</b> , 75-102		