

# Maziyar Sabet

## List of Publications by Year in descending order

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62  
papers

901  
citations

516710

16  
h-index

580821

25  
g-index

63  
all docs

63  
docs citations

63  
times ranked

659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of carbon nanotubes based nanofluid on oil recovery efficiency using core flooding. Results in Physics, 2018, 9, 39-48.	4.1	66
2	Synthesis of ZnO nanoparticles for oil-water interfacial tension reduction in enhanced oil recovery. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	63
3	Enhanced oil recovery by using electromagnetic-assisted nanofluids: A review. Journal of Molecular Liquids, 2020, 309, 113095.	4.9	55
4	Electron beam irradiation of low density polyethylene/ethylene vinyl acetate filled with metal hydroxides for wire and cable applications. Polymer Degradation and Stability, 2012, 97, 1432-1437.	5.8	44
5	Studies on the properties and structure of electron-beam crosslinked low-density polyethylene/poly[ethylene-co-(vinyl acetate)] blends. Polymer International, 2005, 54, 686-691.	3.1	35
6	A simple route to prepare Fe <sub>3</sub> O <sub>4</sub> @C microspheres as electromagnetic wave absorbing material. Journal of Materials Research and Technology, 2021, 12, 1552-1563.	5.8	31
7	Mechanical, electrical, and thermal properties of irradiated low-density polyethylene by electron beam. Polymer Bulletin, 2012, 68, 2323-2339.	3.3	30
8	Studies on the Stability of the Foamy Oil in Developing Heavy Oil Reservoirs. Defect and Diffusion Forum, 0, 371, 111-116.	0.4	27
9	Demulsification of Light Malaysian Crude Oil Emulsions Using an Electric Field Method. Industrial & Engineering Chemistry Research, 2018, 57, 13247-13256.	3.7	26
10	Effect of zinc borate on flammability/thermal properties of ethylene vinyl acetate filled with metal hydroxides. Journal of Reinforced Plastics and Composites, 2013, 32, 1122-1128.	3.1	24
11	Properties and characterization of ethylene-vinyl acetate filled with carbon nanotube. Polymer Bulletin, 2016, 73, 419-434.	3.3	24
12	Synthesis and Characterization of Yttrium Iron Garnet (YIG) Nanoparticles Activated by Electromagnetic Wave in Enhanced Oil Recovery. Journal of Nano Research, 0, 38, 40-46.	0.8	23
13	Mechanical and electrical properties of low density polyethylene filled with carbon nanotubes. IOP Conference Series: Materials Science and Engineering, 2014, 64, 012001.	0.6	22
14	A case study of petrophysical rock typing and permeability prediction using machine learning in a heterogenous carbonate reservoir in Iran. Scientific Reports, 2022, 12, 4505.	3.3	22
15	The Effect of TMPTMA Addition on Electron-beam Irradiated LDPE, EVA and Blend Properties. International Polymer Processing, 2013, 28, 386-392.	0.5	19
16	Properties of ethylene-vinyl acetate filled with metal hydroxide. Journal of Elastomers and Plastics, 2015, 47, 88-100.	1.5	19
17	Effect of addition graphene to ethylene vinyl acetate and low-density polyethylene. Journal of Vinyl and Additive Technology, 2018, 24, E177.	3.4	19
18	Facile preparation and enhanced electromagnetic wave absorption properties of Fe <sub>3</sub> O <sub>4</sub> @PVDF nanocomposite. Journal of Materials Research and Technology, 2020, 9, 2513-2521.	5.8	19

#	ARTICLE	IF	CITATIONS
19	A critical review of concept and methods related to accessible pore volume during polymer-enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2019, 182, 106263.	4.2	18
20	Calcium Stearate and Alumina Trihydrate Addition of Irradiated LDPE, EVA and Blends with Electron Beam. <i>Applied Mechanics and Materials</i> , 0, 290, 31-37.	0.2	17
21	Electron-beam irradiation of low density polyethylene/ethylene vinyl acetate blends. <i>Journal of Polymer Engineering</i> , 2013, 33, 149-161.	1.4	16
22	Absorption of electromagnetic waves in sandstone saturated with brine and nanofluids for application in enhanced oil recovery. <i>Journal of Taibah University for Science</i> , 2020, 14, 217-226.	2.5	16
23	Electron Beam Irradiation of LDPE Filled with Calcium Carbonate and Metal Hydroxides. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1362-1366.	1.9	15
24	Effect of Graphene and Carbon Nanotube on Low Density Polyethylene Nanocomposites. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, 35-40.	3.4	15
25	Impact of graphene oxide on epoxy resin characteristics. <i>High Performance Polymers</i> , 2021, 33, 165-175.	1.8	15
26	Graphene impact of the LDPE characteristics. <i>Polymer Bulletin</i> , 2020, 77, 459-474.	3.3	14
27	Thermal stability and flame-retardant characteristic of irradiated LDPE and composites. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	12
28	Flammability and Thermal Characterization of Aluminum Hydroxide Filled with LDPE. <i>International Polymer Processing</i> , 2013, 28, 393-397.	0.5	11
29	Effect of Annealing Temperature on the Crystallization of Hematite-Alumina ( $\text{Fe}_2\text{O}_3\text{-Al}_2\text{O}_3$ ) Nanocomposite and its Influence in EOR Application. <i>Journal of Nano Research</i> , 0, 29, 105-113.	0.8	11
30	The impact of electron beam irradiation on Low density polyethylene and Ethylene vinyl acetate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 204, 012005.	0.6	11
31	Graphene Impact on Thermal Characteristics of LDPE. <i>Polymer Science - Series A</i> , 2019, 61, 922-930.	1.0	11
32	Experimental investigation and two-phase flow simulation of oil and nanofluids on micro CT images of sandstone for wettability alteration of the system. <i>Journal of Petroleum Science and Engineering</i> , 2021, 204, 108665.	4.2	11
33	Electron beam irradiation of low-density polyethylene filled with metal hydroxides for wire and cable applications. <i>Polymer Bulletin</i> , 2012, 69, 1103-1114.	3.3	10
34	Inclusion of graphene on LDPE properties. <i>Heliyon</i> , 2019, 5, e02053.	3.2	10
35	Impact of inclusion of graphene oxide nanosheets on polypropylene thermal characteristics. <i>Iranian Polymer Journal (English Edition)</i> , 2020, 29, 1099-1112.	2.4	10
36	The effect of graphene oxide on the mechanical, thermal characteristics and flame retardancy of polyurethane. <i>Plastics, Rubber and Composites</i> , 2021, 50, 61-70.	2.0	10

#	ARTICLE	IF	CITATIONS
37	Effect of combination of cationic surfactant and salts on wettability alteration of carbonate rock. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-17.	2.3	9
38	The Effect of Addition EVA and LDPE-g-MAH on Irradiated LDPE Filled with Metal Hydroxides. Polymer-Plastics Technology and Engineering, 2014, 53, 775-783.	1.9	7
39	Impact of inclusion graphene oxide nanosheets on polystyrene properties. International Journal of Plastics Technology, 2019, 23, 92-100.	3.1	7
40	Magnetization of Ferrofluid and its Influence on Improving Oil Recovery. Defect and Diffusion Forum, 0, 390, 161-167.	0.4	7
41	Broad studies of graphene and low-density polyethylene composites. Journal of Elastomers and Plastics, 2019, 51, 527-561.	1.5	7
42	The inclusion of graphene nanoplatelet on the mechanical, thermal, and electrical characteristics of polycarbonate. Polymer Bulletin, 2023, 80, 2153-2169.	3.3	7
43	Electron-Beam Irradiation of Halogen Free Flame Retardant Polymers for Wire and Cable Applications. Applied Mechanics and Materials, 0, 625, 29-33.	0.2	6
44	Thermal, electrical and characterization effects of graphene on the properties of low-density polyethylene composites. International Journal of Plastics Technology, 2018, 22, 234-246.	3.1	6
45	The research design of graphene inclusion on LDPE characterization. International Journal of Mechanical and Materials Engineering, 2019, 14, .	2.2	6
46	Thermal and flammable stability of radiated LDPE and composites. International Journal of Plastics Technology, 2019, 23, 239-245.	3.1	6
47	Magnetic Behavior of Ni/NiO Core-Shell Nanoparticles under Electromagnetic Waves for Oil-Water Interfacial Tension Reduction. Journal of Materials Engineering and Performance, 2019, 28, 5882-5889.	2.5	5
48	Inclusion of graphene on low-density polyethylene composite properties. International Journal of Plastics Technology, 2019, 23, 218-228.	3.1	5
49	Effects of calcium stearate and metal hydroxide additions on the irradiated LDPE/EVA compound properties. Journal of Polymer Engineering, 2013, 33, 651-657.	1.4	4
50	The impact of reduced graphene oxide on the properties of polyamide 6. Polimery, 2021, 66, 217-227.	0.7	3
51	The influence of graphene on the mechanical, thermal, and flame retardant characteristics of Polyamide 6. Materials Technology, 2022, 37, 1251-1262.	3.0	3
52	Electronic polarization of zinc nitride nanoparticles for interfacial tension reduction in enhanced oil recovery. Journal of Physics: Conference Series, 2018, 1123, 012003.	0.4	2
53	Graphene Utilization for Water Desalination Process. Defect and Diffusion Forum, 2019, 391, 195-200.	0.4	2
54	Transport Modelling of Multi-Phase Fluid Flow in Porous Media for Enhanced Oil Recovery. Defect and Diffusion Forum, 2020, 400, 38-44.	0.4	2

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55	The Effect of Graphene Oxide Inclusion on the Mechanical, Thermal Properties of Polyamide 6. Fibers and Polymers, 2021, 22, 3082-3094.	2.1	2
56	The Effect of Graphene Oxide on Flame Retardancy of Polypropylene and Polystyrene. Materials Performance and Characterization, 2020, 9, 20190256.	0.3	2
57	Effect of Graphene on Mechanical and Flowability Properties of Low-Density Polyethylene Composites. Materials Performance and Characterization, 2019, 8, 20180132.	0.3	1
58	Influence of graphene oxide on the mechanical, thermal and roughness of polyethersulphone. Bulletin of Materials Science, 2022, 45, 1.	1.7	1
59	Co-precipitation synthesis of $\text{Co}_2\text{+Fe}^{1\hat{x}2}\text{+Fe}_2\text{O}_4$ nanoparticles: Structural characterization and magnetic properties. , 2014, , .		0
60	Brine Divalent Ions Impacts on Wettability Alteration of Carbonate Rock Sample at Presence of DTAB. Defect and Diffusion Forum, 2017, 380, 191-197.	0.4	0
61	The Influence of Graphene Nano-Sheets Inclusion on the Mechanical and Thermal Characteristics of Acrylonitrile-Butadiene-Styrene Copolymer. SSRN Electronic Journal, 0, , .	0.4	0
62	Dynamics and Geometry Effects on the Capillary Flows in Porous Media for Enhanced Oil Recovery. Defect and Diffusion Forum, 0, 413, 77-83.	0.4	0