

# Toru Noguchi

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

920  
citations

623574

14  
h-index

794469

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1053  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Nanotube/Aluminium Composites with Uniform Dispersion. <i>Materials Transactions</i> , 2004, 45, 602-604.	0.4	211
2	Elucidation of the Reinforcing Mechanism in Carbon Nanotube/Rubber Nanocomposites. <i>ACS Nano</i> , 2011, 5, 3858-3866.	7.3	117
3	Extreme Performance Rubber Nanocomposites for Probing and Excavating Deep Oil Resources Using Multi-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2008, 18, 3403-3409.	7.8	112
4	High-performance multi-functional reverse osmosis membranes obtained by carbon nanotube-polyamide nanocomposite. <i>Scientific Reports</i> , 2015, 5, 13562.	1.6	101
5	Visualization of nanomechanical mapping on polymer nanocomposites by AFM force measurement. <i>Polymer</i> , 2010, 51, 2455-2459.	1.8	58
6	Production of a cellular structure in carbon nanotube/natural rubber composites revealed by nanomechanical mapping. <i>Carbon</i> , 2010, 48, 3708-3714.	5.4	50
7	Cellulose nanofiber/elastomer composites with high tensile strength, modulus, toughness, and thermal stability prepared by high-shear kneading. <i>Composites Science and Technology</i> , 2020, 188, 108005.	3.8	50
8	New Insights in the Natural Organic Matter Fouling Mechanism of Polyamide and Nanocomposite Multiwalled Carbon Nanotubes-Polyamide Membranes. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6255-6263.	4.6	38
9	Antiorganic Fouling and Low-Protein Adhesion on Reverse-Osmosis Membranes Made of Carbon Nanotubes and Polyamide Nanocomposite. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32192-32201.	4.0	36
10	Surface-hydrophobized TEMPO-nanocellulose/rubber composite films prepared in heterogeneous and homogeneous systems. <i>Cellulose</i> , 2019, 26, 463-473.	2.4	29
11	Counterion design of TEMPO-nanocellulose used as filler to improve properties of hydrogenated acrylonitrile-butadiene matrix. <i>Composites Science and Technology</i> , 2018, 167, 339-345.	3.8	27
12	Carbon nanotube enables quantum leap in oil recovery. <i>Materials Research Bulletin</i> , 2011, 46, 1480-1484.	2.7	19
13	Nanocellulose/polyethylene nanocomposite sheets prepared from an oven-dried nanocellulose by elastic kneading. <i>Composites Science and Technology</i> , 2021, 207, 108734.	3.8	17
14	Cellulose nanofiber-reinforced rubber composites prepared by TEMPO-functionalization and elastic kneading. <i>Composites Science and Technology</i> , 2021, 210, 108815.	3.8	16
15	High-Performance Rubber Sealant for Preventing Water Leaks. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 9798-9802.	1.8	12
16	Improvement in characteristics of natural rubber nanocomposite by surface modification of multi-walled carbon nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 80, 84-90.	1.9	12
17	Development of high-performance resin nanocomposites by resin cellulation using multi-walled carbon nanotubes. <i>Composites Part B: Engineering</i> , 2016, 91, 422-430.	5.9	5
18	Cellulose Nanofiber-Reinforced Rubber Composites with Resorcinol Resin Prepared by Elastic Kneading. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100483.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Preparation of high-performance carbon nanotube/polyamide composite materials by elastic high-shear kneading and improvement of properties by induction heating treatment. Journal of Applied Polymer Science, 2021, 138, 50512.	1.3	4
20	Cellulose nanofibril/polypropylene composites prepared under elastic kneading conditions. Cellulose, 0, , .	2.4	1