

# Naoki Toshima

## 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.

43  
papers

1,875  
citations

23  
h-index

43  
g-index

44  
ext. papers

1,979  
ext. citations

4.3  
avg, IF

4.64  
L-index

#	Paper	IF	Citations
43	Green Route for Fabrication of Water-Treatable Thermoelectric Generators. <i>Energy Material Advances</i> , <b>2022</b> , 2022, 1-12	1	2
42	Cu-ion-induced n- to p-type switching in organic thermoelectric polyazacycloalkane/carbon nanotubes. <i>Materials Advances</i> , <b>2022</b> , 3, 373-380	3.3	0
41	Enhancement of p-type thermoelectric power factor by low-temperature calcination in carbon nanotube thermoelectric films containing cyclodextrin polymer and Pd. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 243904	3.4	5
40	Combination of nanoparticles and carbon nanotubes for organic hybrid thermoelectrics. <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 967-976	2.1	1
39	Enhancement of the electrical conductivity of defective carbon nanotube sheets for organic hybrid thermoelectrics by deposition of Pd nanoparticles. <i>Materials Advances</i> , <b>2020</b> , 1, 2926-2936	3.3	4
38	Preparation of Ga-ZnO Nanoparticles Using Microwave and Ultrasonic Irradiation, and the Application of Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) Hybrid Thermoelectric Films. <i>ChemistrySelect</i> , <b>2019</b> , 4, 6800-6804	1.8	5
37	Further study of optical homogeneous effects in nanoparticle embedded liquid-crystal devices. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 267, 303-307	6	11
36	Kinetics of Spontaneous Bimetalization between Silver and Noble Metal Nanoparticles. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1892	4.5	6
35	Improvement of stability of n-type super growth CNTs by hybridization with polymer for organic hybrid thermoelectrics. <i>Synthetic Metals</i> , <b>2017</b> , 225, 81-85	3.6	16
34	Improved Thermoelectric Behavior of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Using Poly(N-vinyl-2-pyrrolidone)-coated GeO <sub>2</sub> Nanoparticles. <i>Chemistry Letters</i> , <b>2017</b> , 46, 933-936	1.7	8
33	Hybrid-Type Organic Thermoelectric Materials Containing Nanoparticles as a Carrier Transport Promoter. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 3207-3214	1.9	15
32	Thermostability of Hybrid Thermoelectric Materials Consisting of Poly(Ni-ethenetetrathiolate), Polyimide and Carbon Nanotubes. <i>Materials</i> , <b>2017</b> , 10,	3.5	14
31	Novel hybrid organic thermoelectric materials:three-component hybrid films consisting of a nanoparticle polymer complex, carbon nanotubes, and vinyl polymer. <i>Advanced Materials</i> , <b>2015</b> , 27, 2246-2251	2.4	139
30	Synthesis and catalytic activity of crown jewel-structured (IrPd)/Au trimetallic nanoclusters. <i>Advanced Materials</i> , <b>2015</b> , 27, 1383-8	24	35
29	Novel Nanodispersed Polymer Complex, Poly(nickel 1,1,2,2-ethenetetrathiolate): Preparation and Hybridization for n-Type of Organic Thermoelectric Materials. <i>Chemistry Letters</i> , <b>2015</b> , 44, 1185-1187	1.7	21
28	Conducting Polymers and Their Hybrids as Organic Thermoelectric Materials. <i>Journal of Electronic Materials</i> , <b>2015</b> , 44, 384-390	1.9	29
27	Gold Nanoparticle and Gold Nanorod Embedded PEDOT:PSS Thin Films as Organic Thermoelectric Materials. <i>Journal of Electronic Materials</i> , <b>2014</b> , 43, 1492-1497	1.9	43

26	Zirconia nanocolloids having a nanospace of poly(cyclodextrin): preparation and application to liquid crystal devices. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 2217-24	1.3	4
25	Synthesis of Au/Pt bimetallic nanoparticles with a Pt-rich shell and their high catalytic activities for aerobic glucose oxidation. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 166-76	9.3	66
24	Improvement of Thermoelectric Properties of PEDOT/PSS Films by Addition of Gold Nanoparticles: Enhancement of Seebeck Coefficient. <i>Journal of Electronic Materials</i> , <b>2013</b> , 42, 1882-1887	1.9	50
23	Crown Jewel catalyst: How neighboring atoms affect the catalytic activity of top Au atoms?. <i>Journal of Catalysis</i> , <b>2013</b> , 305, 7-18	7.3	40
22	Improvement of the Performance of Liquid Crystal Displays by Doping with Supramolecule-Protected Metal Nanoparticles. <i>Israel Journal of Chemistry</i> , <b>2012</b> , 52, 908-916	3.4	5
21	Organic Thermoelectric Materials Composed of Conducting Polymers and Metal Nanoparticles. <i>Journal of Electronic Materials</i> , <b>2012</b> , 41, 1735-1742	1.9	60
20	Polymer-Protected and Au-Containing Bi- and Trimetallic Nanoparticles as Novel Catalysts for Glucose Oxidation. <i>Macromolecular Symposia</i> , <b>2012</b> , 317-318, 149-159	0.8	15
19	Construction and electro-optic properties of liquid-crystal display doped by rhodium nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 396-402	1.3	4
18	Syntheses of poly(cyclodextrin)-stabilised metal nanoparticles and their quenching abilities of active oxygen species. <i>Supramolecular Chemistry</i> , <b>2011</b> , 23, 195-198	1.8	7
17	Fabrication of Liquid Crystal Sol Containing Capped AgPd Bimetallic Nanoparticles and Their Electro-Optic Properties. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 20284-20290	3.8	39
16	Trimetallic nanoparticles having a Au-core structure. <i>Catalysis Today</i> , <b>2007</b> , 122, 239-244	5.3	85
15	Synthesis and Catalysis of Polymer-Protected Pd/Ag/Rh Trimetallic Nanoparticles with a Core/Shell Structure. <i>Bulletin of the Chemical Society of Japan</i> , <b>2007</b> , 80, 1217-1225	5.1	28
14	. <i>Journal of Display Technology</i> , <b>2006</b> , 2, 121-129		69
13	Spontaneous formation of core/shell bimetallic nanoparticles: a calorimetric study. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 16326-31	3.4	75
12	Fast Switching of Frequency Modulation Twisted Nematic Liquid Crystal Display Fabricated by Doping Nanoparticles and Its Mechanism. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 2580-2584	1.4	54
11	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Palladium (Pd) Nanoparticles. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 5425-5429	1.4	34
10	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Silver Nanoparticles. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 5430-5434	1.4	32
9	Preparation and Catalysis of Inverted Core/Shell Structured Pd/Au Bimetallic Nanoparticles. <i>Australian Journal of Chemistry</i> , <b>2003</b> , 56, 1025	1.2	34

8	Facile fabrication of Ag-Pd bimetallic nanoparticles in ultrathin TiO <sub>2</sub> -gel films: nanoparticle morphology and catalytic activity. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 11034-40	16.4	206
7	Frequency modulation response of a liquid-crystal electro-optic device doped with nanoparticles. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 2845-2847	3.4	216
6	Frequency Modulation Response of a Tunable Birefringent Mode Nematic Liquid Crystal Electrooptic Device Fabricated by Doping Nanoparticles of Pd Covered with Liquid-Crystal Molecules. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, L1315-L1317	1.4	46
5	Effect of additional metal ions on catalyses of polymer-stabilized metal nanoclusters. <i>Journal of Molecular Catalysis A</i> , <b>2001</b> , 177, 139-147		32
4	Various ligand-stabilized metal nanoclusters as homogeneous and heterogeneous catalysts in the liquid phase. <i>Applied Organometallic Chemistry</i> , <b>2001</b> , 15, 178-196	3.1	141
3	Electrocatalysis for proton reduction by polypyridyl platinum complexes dispersed in a polymer membrane. <i>European Polymer Journal</i> , <b>2001</b> , 37, 753-761	5.2	15
2	Selective synthesis of 2,6-naphthalenedicarboxylic acid by use of cyclodextrin as catalyst. <i>Journal of Molecular Catalysis A</i> , <b>1999</b> , 139, 149-158		9
1	Colloidal silver catalysts for oxidation of ethylene. <i>Journal of Molecular Catalysis A</i> , <b>1999</b> , 141, 187-192		155