

# Naoki Toshima

## List of Publications by Year in descending order

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43  
papers

2,112  
citations

279487

23  
h-index

253896

43  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2440  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency modulation response of a liquid-crystal electro-optic device doped with nanoparticles. <i>Applied Physics Letters</i> , 2002, 81, 2845-2847.	1.5	235
2	Facile Fabrication of Ag <sup>+</sup> /Pd Bimetallic Nanoparticles in Ultrathin TiO <sub>2</sub> -Gel Films: Nanoparticle Morphology and Catalytic Activity. <i>Journal of the American Chemical Society</i> , 2003, 125, 11034-11040.	6.6	223
3	Colloidal silver catalysts for oxidation of ethylene. <i>Journal of Molecular Catalysis A</i> , 1999, 141, 187-192.	4.8	169
4	Various ligand-stabilized metal nanoclusters as homogeneous and heterogeneous catalysts in the liquid phase. <i>Applied Organometallic Chemistry</i> , 2001, 15, 178-196.	1.7	168
5	Novel Hybrid Organic Thermoelectric Materials: Three-Component Hybrid Films Consisting of a Nanoparticle Polymer Complex, Carbon Nanotubes, and Vinyl Polymer. <i>Advanced Materials</i> , 2015, 27, 2246-2251.	11.1	155
6	Trimetallic nanoparticles having a Au-core structure. <i>Catalysis Today</i> , 2007, 122, 239-244.	2.2	98
7	Spontaneous Formation of Core/Shell Bimetallic Nanoparticles: A Calorimetric Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16326-16331.	1.2	78
8	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> , 2013, 394, 166-176.	5.0	76
9	Dielectric Spectroscopy of Metal Nanoparticle Doped Liquid Crystal Displays Exhibiting Frequency Modulation Response. <i>Journal of Display Technology</i> , 2006, 2, 121-129.	1.3	75
10	Fast Switching of Frequency Modulation Twisted Nematic Liquid Crystal Display Fabricated by Doping Nanoparticles and Its Mechanism. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 2580-2584.	0.8	63
11	Organic Thermoelectric Materials Composed of Conducting Polymers and Metal Nanoparticles. <i>Journal of Electronic Materials</i> , 2012, 41, 1735-1742.	1.0	63
12	Improvement of Thermoelectric Properties of PEDOT/PSS Films by Addition of Gold Nanoparticles: Enhancement of Seebeck Coefficient. <i>Journal of Electronic Materials</i> , 2013, 42, 1882-1887.	1.0	54
13	Gold Nanoparticle and Gold Nanorod Embedded PEDOT:PSS Thin Films as Organic Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2014, 43, 1492-1497.	1.0	50
14	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> , 2002, 41, L1315-L1317.	0.8	48
15	Crown Jewel catalyst: How neighboring atoms affect the catalytic activity of top Au atoms?. <i>Journal of Catalysis</i> , 2013, 305, 7-18.	3.1	43
16	Fabrication of Liquid Crystal Sol Containing Capped Ag <sup>+</sup> /Pd Bimetallic Nanoparticles and Their Electro-Optic Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20284-20290.	1.5	41
17	Effect of additional metal ions on catalyses of polymer-stabilized metal nanoclusters. <i>Journal of Molecular Catalysis A</i> , 2001, 177, 139-147.	4.8	40
18	Conducting Polymers and Their Hybrids as Organic Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2015, 44, 384-390.	1.0	40

#	ARTICLE	IF	CITATIONS
19	Synthesis and Catalytic Activity of Crown Jewel-Structured (IrPd)/Au Trimetallic Nanoclusters. <i>Advanced Materials</i> , 2015, 27, 1383-1388.	11.1	40
20	Preparation and Catalysis of Inverted Core/Shell Structured Pd/Au Bimetallic Nanoparticles. <i>Australian Journal of Chemistry</i> , 2003, 56, 1025.	0.5	36
21	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Palladium (Pd) Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 5425-5429.	0.8	34
22	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> , 2007, 80, 1217-1225.	2.0	33
23	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Silver Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 5430-5434.	0.8	32
24	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> , 2015, 44, 1185-1187.	0.7	24
25	Improvement of stability of n-type super growth CNTs by hybridization with polymer for organic hybrid thermoelectrics. <i>Synthetic Metals</i> , 2017, 225, 81-85.	2.1	19
26	Hybrid-Type Organic Thermoelectric Materials Containing Nanoparticles as a Carrier Transport Promoter. <i>Journal of Electronic Materials</i> , 2017, 46, 3207-3214.	1.0	17
27	Thermostability of Hybrid Thermoelectric Materials Consisting of Poly(Ni-ethenetetrathiolate), Polyimide and Carbon Nanotubes. <i>Materials</i> , 2017, 10, 824.	1.3	17
28	Electrocatalysis for proton reduction by polypyridyl platinum complexes dispersed in a polymer membrane. <i>European Polymer Journal</i> , 2001, 37, 753-761.	2.6	16
29	Polymer-Protected and Au-Containing Bi- and Trimetallic Nanoparticles as Novel Catalysts for Glucose Oxidation. <i>Macromolecular Symposia</i> , 2012, 317-318, 149-159.	0.4	15
30	Further study of optical homogeneous effects in nanoparticle embedded liquid-crystal devices. <i>Journal of Molecular Liquids</i> , 2018, 267, 303-307.	2.3	13
31	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> , 2021, 118, .	1.5	13
32	Selective synthesis of 2,6-naphthalenedicarboxylic acid by use of cyclodextrin as catalyst. <i>Journal of Molecular Catalysis A</i> , 1999, 139, 149-158.	4.8	12
33	Improved Thermoelectric Behavior of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Using Poly( <i>N</i> -vinyl-2-pyrrolidone)-coated GeO <sub>2</sub> Nanoparticles. <i>Chemistry Letters</i> , 2017, 46, 933-936.	0.7	12
34	Green Route for Fabrication of Water-Treatable Thermoelectric Generators. <i>Energy Material Advances</i> , 2022, 2022, .	4.7	11
35	Syntheses of poly(cyclodextrin)-stabilised metal nanoparticles and their quenching abilities of active oxygen species. <i>Supramolecular Chemistry</i> , 2011, 23, 195-198.	1.5	8
36	Enhancement of the electrical conductivity of defective carbon nanotube sheets for organic hybrid thermoelectrics by deposition of Pd nanoparticles. <i>Materials Advances</i> , 2020, 1, 2926-2936.	2.6	8

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37	Kinetics of Spontaneous Bimetalization between Silver and Noble Metal Nanoparticles. Chemistry - an Asian Journal, 2018, 13, 1892-1896.	1.7	7
38	Preparation of Ga-ZnO Nanoparticles Using Microwave and Ultrasonic Irradiation, and the Application of Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) Hybrid Thermoelectric Films. ChemistrySelect, 2019, 4, 6800-6804.	0.7	6
39	Cu-ion-induced n- to p-type switching in organic thermoelectric polyazacycloalkane/carbon nanotubes. Materials Advances, 2022, 3, 373-380.	2.6	6
40	Improvement of the Performance of Liquid Crystal Displays by Doping with Supramolecule-Protected Metal Nanoparticles. Israel Journal of Chemistry, 2012, 52, 908-916.	1.0	5
41	Construction and Electro-Optic Properties of Liquid-Crystal Display Doped by Rhodium Nanoparticles. Journal of Nanoscience and Nanotechnology, 2012, 12, 396-402.	0.9	4
42	Zirconia Nanocolloids Having a Nanospace of Poly(cyclodextrin): Preparation and Application to Liquid Crystal Devices. Journal of Nanoscience and Nanotechnology, 2014, 14, 2217-2224.	0.9	4
43	Combination of nanoparticles and carbon nanotubes for organic hybrid thermoelectrics. Pure and Applied Chemistry, 2020, 92, 967-976.	0.9	1