Naoki Toshima

List of Publications by Year
in descending order

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43 papers	2,112 citations	279798 23 h-index	254184 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. Applied Physics Letters, 2002, 81, 2845-2847.	3.3	235
2	Facile Fabrication of Agâ˜Pd Bimetallic Nanoparticles in Ultrathin TiO2-Gel Films:Â Nanoparticle Morphology and Catalytic Activity. Journal of the American Chemical Society, 2003, 125, 11034-11040.	13.7	223
3	Colloidal silver catalysts for oxidation of ethylene. Journal of Molecular Catalysis A, 1999, 141, 187-192.	4.8	169
4	Various ligand-stabilized metal nanoclusters as homogeneous and heterogeneous catalysts in the liquid phase. Applied Organometallic Chemistry, 2001, 15, 178-196.	3.5	168
5	Novel Hybrid Organic Thermoelectric Materials:Threeâ€Component Hybrid Films Consisting of a Nanoparticle Polymer Complex, Carbon Nanotubes, and Vinyl Polymer. Advanced Materials, 2015, 27, 2246-2251.	21.0	155
6	Trimetallic nanoparticles having a Au-core structure. Catalysis Today, 2007, 122, 239-244.	4.4	98
7	Spontaneous Formation of Core/Shell Bimetallic Nanoparticles:â€‰ A Calorimetric Study. Journal of Physical Chemistry B, 2005, 109, 16326-16331.	2.6	78
8	Synthesis of Au/Pt bimetallic nanoparticles with a Pt-rich shell and their high catalytic activities for aerobic glucose oxidation. Journal of Colloid and Interface Science, 2013, 394, 166-176.	9.4	76
9	Dielectric Spectroscopy of Metal Nanoparticle Doped Liquid Crystal Displays Exhibiting Frequency Modulation Response. Journal of Display Technology, 2006, 2, 121-129.	1.2	75
10	Fast Switching of Frequency Modulation Twisted Nematic Liquid Crystal Display Fabricated by Doping Nanoparticles and Its Mechanism. Japanese Journal of Applied Physics, 2004, 43, 2580-2584.	1.5	63
11	Organic Thermoelectric Materials Composed of Conducting Polymers and Metal Nanoparticles. Journal of Electronic Materials, 2012, 41, 1735-1742.	2.2	63
12	Improvement of Thermoelectric Properties of PEDOT/PSS Films by Addition of Gold Nanoparticles: Enhancement of Seebeck Coefficient. Journal of Electronic Materials, 2013, 42, 1882-1887.	2.2	54
13	Gold Nanoparticle and Gold Nanorod Embedded PEDOT:PSS Thin Films as Organic Thermoelectric Materials. Journal of Electronic Materials, 2014, 43, 1492-1497.	2.2	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. Japanese Journal of Applied Physics, 2002, 41, L1315-L1317.	1.5	48
15	Crown Jewel catalyst: How neighboring atoms affect the catalytic activity of top Au atoms?. Journal of Catalysis, 2013, 305, 7-18.	6.2	43
16	Fabrication of Liquid Crystal Sol Containing Capped Agâ˜Pd Bimetallic Nanoparticles and Their Electro-Optic Properties. Journal of Physical Chemistry C, 2008, 112, 20284-20290.	3.1	41
17	Effect of additional metal ions on catalyses of polymer-stabilized metal nanoclusters. Journal of Molecular Catalysis A, 2001, 177, 139-147.	4.8	40
18	Conducting Polymers and Their Hybrids as Organic Thermoelectric Materials. Journal of Electronic Materials, 2015, 44, 384-390.	2.2	40

#	Article	IF	Citations
19	Synthesis and Catalytic Activity of Crown Jewelâ€Structured (IrPd)/Au Trimetallic Nanoclusters. Advanced Materials, 2015, 27, 1383-1388.	21.0	40
20	Preparation and Catalysis of Inverted Core/Shell Structured Pd/Au Bimetallic Nanoparticles. Australian Journal of Chemistry, 2003, 56, 1025.	0.9	36
21	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Palladium (Pd) Nanoparticles. Japanese Journal of Applied Physics, 2004, 43, 5425-5429.	1.5	34
22	Synthesis and Catalysis of Polymer-Protected Pd/Ag/Rh Trimetallic Nanoparticles with a Coreâ€“Shell Structure. Bulletin of the Chemical Society of Japan, 2007, 80, 1217-1225.	3.2	33
23	Dielectric Properties of Frequency Modulation Twisted Nematic LCDs Doped with Silver Nanoparticles. Japanese Journal of Applied Physics, 2004, 43, 5430-5434.	1.5	32
24	Novel Nanodispersed Polymer Complex, Poly(nickel 1,1,2,2-ethenetetrathiolate): Preparation and Hybridization for n-Type of Organic Thermoelectric Materials. Chemistry Letters, 2015, 44, 1185-1187.	1.3	24
25	Improvement of stability of n-type super growth CNTs by hybridization with polymer for organic hybrid thermoelectrics. Synthetic Metals, 2017, 225, 81-85.	3.9	19
26	Hybrid-Type Organic Thermoelectric Materials Containing Nanoparticles as a Carrier Transport Promoter. Journal of Electronic Materials, 2017, 46, 3207-3214.	2.2	17
27	Thermostability of Hybrid Thermoelectric Materials Consisting of Poly(Ni-ethenetetrathiolate), Polyimide and Carbon Nanotubes. Materials, 2017, 10, 824.	2.9	17
28	Electrocatalysis for proton reduction by polypyridyl platinum complexes dispersed in a polymer membrane. European Polymer Journal, 2001, 37, 753-761.	5.4	16
29	Polymerâ€Protected and Auâ€Containing Biâ€•and Trimetallic Nanoparticles as Novel Catalysts for Glucose Oxidation. Macromolecular Symposia, 2012, 317-318, 149-159.	0.7	15
30	Further study of optical homogeneous effects in nanoparticle embedded liquid-crystal devices. Journal of Molecular Liquids, 2018, 267, 303-307.	4.9	13
31	Enhancement of p-type thermoelectric power factor by low-temperature calcination in carbon nanotube thermoelectric films containing cyclodextrin polymer and Pd. Applied Physics Letters, 2021, 118, .	3.3	13
32	Selective synthesis of 2,6-naphthalenedicarboxylic acid by use of cyclodextrin as catalyst. Journal of Molecular Catalysis A, 1999, 139, 149-158.	4.8	12
33	Improved Thermoelectric Behavior of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Using Poly(N-vinyl-2-pyrrolidone)-coated GeO₂ Nanoparticles. Chemistry Letters, 2017, 46, 933-936.	1.3	12
34	Green Route for Fabrication of Water-Treatable Thermoelectric Generators. Energy Material Advances, 2022, 2022, .	11.0	11
35	Syntheses of poly(cyclodextrin)-stabilised metal nanoparticles and their quenching abilities of active oxygen species. Supramolecular Chemistry, 2011, 23, 195-198.	1.2	8
36	Enhancement of the electrical conductivity of defective carbon nanotube sheets for organic hybrid thermoelectrics by deposition of Pd nanoparticles. Materials Advances, 2020, 1, 2926-2936.	5.4	8

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37	Kinetics of Spontaneous Bimetallization between Silver and Noble Metal Nanoparticles. Chemistry - an Asian Journal, 2018, 13, 1892-1896.	3.3	7
38	Preparation of Gaâ€ZnO Nanoparticles Using Microwave and Ultrasonic Irradiation, and the Application of Poly(3,4â€ethylenedioxythiophene)â€poly(styrenesulfonate) Hybrid Thermoelectric Films. ChemistrySelect, 2019, 4, 6800-6804.	1.5	6
39	Cu-ion-induced n- to p-type switching in organic thermoelectric polyazacycloalkane/carbon nanotubes. Materials Advances, 2022, 3, 373-380.	5.4	6
40	Improvement of the Performance of Liquid Crystal Displays by Doping with Supramoleculeâ€Protected Metal Nanoparticles. Israel Journal of Chemistry, 2012, 52, 908-916.	2.3	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.	1.9	1