

Yoshiyuki Nonoguchi

List of Publications by Citations

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51
papers

1,126
citations

18
h-index

33
g-index

58
ext. papers

1,258
ext. citations

5.5
avg. IF

4.34
L-index

#	Paper	IF	Citations
51	Systematic conversion of single walled carbon nanotubes into n-type thermoelectric materials by molecular dopants. <i>Scientific Reports</i> , 2013 , 3, 3344	4.9	271
50	Simple Salt-Coordinated n-Type Nanocarbon Materials Stable in Air. <i>Advanced Functional Materials</i> , 2016 , 26, 3021-3028	15.6	165
49	In situ photopolymerization of pyrrole in mesoporous TiO ₂ . <i>Langmuir</i> , 2010 , 26, 5319-22	4	69
48	Bis(dipyrinato)metal(ii) coordination polymers: crystallization, exfoliation into single wires, and electric conversion ability. <i>Chemical Science</i> , 2015 , 6, 2853-2858	9.4	52
47	Water-Processable, Air-Stable Organic Nanoparticle-Carbon Nanotube Nanocomposites Exhibiting n-Type Thermoelectric Properties. <i>Small</i> , 2017 , 13, 1603420	11	47
46	Chiral Monolayer-Protected Bimetallic AuAg Nanoclusters: Alloying Effect on Their Electronic Structure and Chiroptical Activity. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15506-15515	3.8	42
45	Ionic liquid-based luminescent composite materials. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1401-1405	3.405	38
44	Solvent basicity promotes the hydride-mediated electron transfer doping of carbon nanotubes. <i>Chemical Communications</i> , 2017 , 53, 10259-10262	5.8	33
43	Sensitized Photopolymerization of an Ionic Liquid-Based Monomer by Using CdTe Nanocrystals. <i>Macromolecules</i> , 2007 , 40, 6540-6544	5.5	33
42	Tuning band offsets of core/shell CdS/CdTe nanocrystals. <i>Small</i> , 2009 , 5, 2403-6	11	30
41	Air-tolerant Fabrication and Enhanced Thermoelectric Performance of n-Type Single-walled Carbon Nanotubes Encapsulating 1,1'-Bis(diphenylphosphino)ferrocene. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2423-7	4.5	30
40	Size- and Temperature-Dependent Emission Properties of Zinc-blende CdTe Nanocrystals in Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11811-11815	3.8	27
39	Dual Transient Bleaching of Au/PbS Hybrid Core/Shell Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1111-6	6.4	25
38	C/BCN core/shell nanotube films with improved thermoelectric properties. <i>Carbon</i> , 2016 , 109, 49-56	10.4	24
37	Synergistic Impacts of Electrolyte Adsorption on the Thermoelectric Properties of Single-Walled Carbon Nanotubes. <i>Small</i> , 2017 , 13, 1700804	11	21
36	Enhanced Chiroptical Activity in Glutathione-Protected Bimetallic (AuAg) ₁₈ Nanoclusters with Almost Intact Core/Shell Configuration. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1284-1292	3.8	21
35	Temperature-Dependent Exciton Recombination Dynamics of CdTe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19263-19267	3.8	20

34	Rapid preparation of highly luminescent CdTe nanocrystals in an ionic liquid via a microwave-assisted process. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8849		19
33	Ultrafast Carrier Transfer and Hot Carrier Dynamics in PbS/Au Hybrid Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2113-2120	3.8	16
32	Dispersion of Synthetic MoS Flakes and Their Spontaneous Adsorption on Single-Walled Carbon Nanotubes. <i>ChemPlusChem</i> , 2015 , 80, 1158-1163	2.8	15
31	Thickness-dependent thermoelectric power factor of polymer-functionalized semiconducting carbon nanotube thin films. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 581-587	7.1	14
30	Enhanced Thermoelectric Properties of Boron-Substituted Single-Walled Carbon Nanotube Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7235-7241	9.5	13
29	Crystallinity-Dependent Thermoelectric Properties of a Two-Dimensional Coordination Polymer: Ni(2,3,6,7,10,11-hexaiminotriphenylene) <i>Polymers</i> , 2018 , 10,	4.5	11
28	Electrochemical n-type doping of carbon nanotube films by using supramolecular electrolytes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21896-21900	13	10
27	Flexible thermoelectric rubber polymer composites based on single-walled carbon nanotubes. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 04DN03	1.4	9
26	Solid-state, individual dispersion of single-walled carbon nanotubes in ionic liquid-derived polymers and its impact on thermoelectric properties. <i>RSC Advances</i> , 2016 , 6, 2489-2495	3.7	8
25	Low-Temperature Observation of Photoinduced Electron Transfer from CdTe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11464-11468	3.8	8
24	Surfactant-driven Amphoteric Doping of Carbon Nanotubes. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3942-3946	4.9	8
23	Enhanced thermoelectric properties of semiconducting carbon nanotube films by UV/ozone treatment. <i>Journal of Applied Physics</i> , 2019 , 126, 135108	2.5	6
22	SWNT Composites with Compositionally Tunable Prussian Blue Nanoparticles for Thermoelectric Coordination Programming Materials. <i>Chemistry Letters</i> , 2014 , 43, 1254-1256	1.7	6
21	Photopolymerization Sensitized by CdTe Nanocrystals in Ionic Liquid: Highly Efficient Photoinduced Electron Transfer. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1385-1388	1.4	6
20	Curved aromatic corannulene as an efficient enhancer for n-type thermoelectric single-walled carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22969-22973	13	6
19	Oligomerization of cadmium chalcogenide nanocrystals into CdTe-containing superlattice chains. <i>Chemical Communications</i> , 2011 , 47, 11270-2	5.8	5
18	Air-stable and efficient electron doping of monolayer MoS by salt-crown ether treatment. <i>Nanoscale</i> , 2021 , 13, 8784-8789	7.7	4
17	A p-type Thermoelectric Generator Wrapped with Doped Single-walled Carbon Nanotube Sheets. <i>MRS Advances</i> , 2019 , 4, 147-153	0.7	3

16	Ionic Dopant-Encapsulating Single-Walled Carbon Nanotube Films with Metal-Like Electrical Conductivity. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 590-593	4.5	3
15	Rational primary structure design for boosting the thermoelectric properties of semiconducting carbon nanotube networks. <i>Applied Physics Letters</i> , 2021 , 118, 261904	3.4	2
14	Low-voltage carbon nanotube complementary electronics using chemical doping to tune the threshold voltage. <i>Applied Physics Express</i> , 2021 , 14, 045002	2.4	2
13	Carbon Nanotubes: Simple Salt-Coordinated n-Type Nanocarbon Materials Stable in Air (Adv. Funct. Mater. 18/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 3179-3179	15.6	1
12	Carbon Nanotubes: Synergistic Impacts of Electrolyte Adsorption on the Thermoelectric Properties of Single-Walled Carbon Nanotubes (Small 29/2017). <i>Small</i> , 2017 , 13,	11	1
11	Air-stable n-type tellurium nanowires coordinated by large organic salts. <i>Synthetic Metals</i> , 2017 , 225, 93-97	3.6	1
10	Governing Factors for Carbon Nanotube Dispersion in Organic Solvents Estimated by Machine Learning. <i>Advanced Materials Interfaces</i> , 2101723	4.6	0
9	Low background estimation of metallic-to-semiconducting carbon nanotube ratio by using infrared spectroscopy. <i>Synthetic Metals</i> , 2021 , 282, 116958	3.6	0
8	Isolation of exfoliated boron nitride nanotubes via ethyl cellulose wrapping. <i>Nano Select</i> , 2021 , 2, 1517-1524	3.2	0
7	Development of poly (methyl methacrylate)-supported transfer technique of single-wall carbon nanotube conductive films for flexible devices. <i>Thin Solid Films</i> , 2021 , 736, 138904	2.2	0
6	Materials Design for Flexible Thermoelectric Power Generators 2018 , 139-160		
5	?????????????????. <i>Electrochemistry</i> , 2011 , 79, 107-111	1.2	
4	Recent progress in thermoelectric materials based on single-wall carbon nanotubes. <i>Tanso</i> , 2020 , 2020, 175-184	0.1	
3	Thermoelectric materials and devices based on carbon nanotubes 2021 , 367-373		
2	Supramolecular Carbon Nanotube Films Adaptive to Thermoelectrics. <i>Journal of Physics: Conference Series</i> , 2018 , 1052, 012132	0.3	
1	Governing Factors for Carbon Nanotube Dispersion in Organic Solvents Estimated by Machine Learning (Adv. Mater. Interfaces 7/2022). <i>Advanced Materials Interfaces</i> , 2022 , 9, 2270038	4.6	