

Shohei Horike

List of Publications by Year in descending order

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226
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectrochemical Cells Based on Ferricyanide/Ferrocyanide/Guanidinium: Application and Challenges. ACS Applied Materials & Interfaces, 2022, , .	8.0	7
2	Design and synthesis of proton-dopable organic semiconductors. RSC Advances, 2022, 12, 6748-6754.	3.6	2
3	Multipoint detection of structural deformation of pulsating 3D heart model using flexible organic piezoelectric-sensor array. Japanese Journal of Applied Physics, 2022, 61, SE1014.	1.5	2
4	Bicyclic-ring base doping induces n-type conduction in carbon nanotubes with outstanding thermal stability in air. Nature Communications, 2022, 13, .	12.8	26
5	Large thermoelectric power factor in wafer-scale free-standing single-walled carbon nanotube films. Applied Physics Letters, 2021, 118, 173902.	3.3	3
6	Determining interfacial resistance in thermoelectrochemical cells using transmission line measurement. Applied Physics Letters, 2021, 118, .	3.3	2
7	Anomalous n-type conversion of thermoelectric polarity in ionic hydrogels using PEDOT:PSS electrodes. Journal of Materials Chemistry C, 2021, 9, 15813-15819.	5.5	7
8	Directly monitoring and power generation from pulsating 3D heart model with organic flexible piezoelectric device. Japanese Journal of Applied Physics, 2020, 59, SDDF02.	1.5	4
9	Stable organic thermoelectric devices for self-powered sensor applications. Journal of Materials Chemistry A, 2020, 8, 22544-22556.	10.3	22
10	Water-processable n-type doping of carbon nanotubes via charge transfer with imidazolium chloride salt. Chemical Physics Letters, 2020, 755, 137801.	2.6	13
11	Outstanding Electrode-Dependent Seebeck Coefficients in Ionic Hydrogels for Thermally Chargeable Supercapacitor near Room Temperature. ACS Applied Materials & Interfaces, 2020, 12, 43674-43683.	8.0	39
12	Thermophysical properties of the parylene C dimer under vacuum. Japanese Journal of Applied Physics, 2020, 59, SDDA15.	1.5	2
13	Thermoelectric thiophene dendrimers with large Seebeck coefficients. Molecular Systems Design and Engineering, 2020, 5, 809-814.	3.4	6
14	Preparation of poly(3,4-ethylenedioxythiophene) by vapor-phase polymerization at the interface between 3,4-ethylenedioxythiophene vapor and oxidant melt. Molecular Crystals and Liquid Crystals, 2019, 688, 53-59.	0.9	2
15	Fabrication and characterization of elastomeric semiconductive thiophene polymers by peroxide crosslinking. Polymer Journal, 2019, 51, 257-263.	2.7	8
16	Improving the light-emitting properties of single-layered polyfluorene light-emitting devices by simple ionic liquid blending. Japanese Journal of Applied Physics, 2018, 57, 03EH02.	1.5	1
17	Photoinduced charge-carrier modulation of inkjet-printed carbon nanotubes via poly(vinyl acetate) doping and dedoping for thermoelectric generators. Chemical Physics Letters, 2018, 691, 219-223.	2.6	6
18	Orientation Dependence of Power Generation on Piezoelectric Energy Harvesting Using Stretched Ferroelectric Polymer Films. Journal of Physics: Conference Series, 2018, 1052, 012112.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Field-effect and chemical charge-type modulations of carbon nanotubes using functional polymers for thermoelectric energy harvesters. <i>Journal of Physics: Conference Series</i> , 2018, 1052, 012125.	0.4	0
20	Thermodynamics of ionic liquid evaporation under vacuum. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21262-21268.	2.8	15
21	Thermodynamics and kinetics of polyoxyethylene alkyl ether evaporation from inkjet-printed carbon nanotube thin films by vacuum annealing. <i>Flexible and Printed Electronics</i> , 2018, 3, 025006.	2.7	1
22	In situ Monitoring of Vapor-phase Polymerization and Characterization of Poly(3,4-ethylenedioxythiophene) Thin Films. <i>Sensors and Materials</i> , 2018, 30, 2873.	0.5	3
23	Highly stable n-type thermoelectric materials fabricated <i>via</i> electron doping into inkjet-printed carbon nanotubes using oxygen-abundant simple polymers. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 616-623.	3.4	36
24	Enhanced thermoelectric power of single-wall carbon nanotube film blended with ionic liquid. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 03DC01.	1.5	9
25	Unique Morphology and Optical Properties of Tris(8-hydroxyquinoline)aluminum Crystal Grown by Ionic Liquid-assisted Vacuum Vapor Deposition. <i>Chemistry Letters</i> , 2016, 45, 1156-1158.	1.3	8
26	Polarity tuning of single-walled carbon nanotube by dipole field of ferroelectric polymer for thermoelectric conversion. <i>Applied Physics Express</i> , 2016, 9, 081301.	2.4	9
27	Crystal growth of rubrene in ionic liquids by vacuum vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FT03.	1.5	12
28	Normal alkane evaporation under vacuum: chain-length dependency and distillation from binary systems. <i>Japanese Journal of Applied Physics</i> , 0, , .	1.5	0