

Shohei Horike

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Outstanding Electrode-Dependent Seebeck Coefficients in Ionic Hydrogels for Thermally Chargeable Supercapacitor near Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43674-43683.	8.0	39
2	Highly stable n-type thermoelectric materials fabricated via 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
3	Bicyclic-ring base doping induces n-type conduction in carbon nanotubes with outstanding thermal stability in air. <i>Nature Communications</i> , 2022, 13, .	12.8	26
4	Stable organic thermoelectric devices for self-powered sensor applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22544-22556.	10.3	22
5	Thermodynamics of ionic liquid evaporation under vacuum. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21262-21268.	2.8	15
6	Water-processable n-type doping of carbon nanotubes via charge transfer with imidazolium chloride salt. <i>Chemical Physics Letters</i> , 2020, 755, 137801.	2.6	13
7	Crystal growth of rubrene in ionic liquids by vacuum vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FT03.	1.5	12
8	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
9	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
10	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
11	Fabrication and characterization of elastomeric semiconductive thiophene polymers by peroxide crosslinking. <i>Polymer Journal</i> , 2019, 51, 257-263.	2.7	8
12	Anomalous n-type conversion of thermoelectric polarity in ionic hydrogels using PEDOT:PSS electrodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15813-15819.	5.5	7
13	Thermoelectrochemical Cells Based on Ferricyanide/Ferrocyanide/Guanidinium: Application and Challenges. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	8.0	7
14	Photoinduced charge-carrier modulation of inkjet-printed carbon nanotubes via poly(vinyl acetate) doping and dedoping for thermoelectric generators. <i>Chemical Physics Letters</i> , 2018, 691, 219-223.	2.6	6
15	Thermoelectric thiophene dendrimers with large Seebeck coefficients. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 809-814.	3.4	6
16	Directly monitoring and power generation from pulsating 3D heart model with organic flexible piezoelectric device. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDF02.	1.5	4
17	Large thermoelectric power factor in wafer-scale free-standing single-walled carbon nanotube films. <i>Applied Physics Letters</i> , 2021, 118, 173902.	3.3	3
18	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

#	ARTICLE	IF	CITATIONS
19	Orientation Dependence of Power Generation on Piezoelectric Energy Harvesting Using Stretched Ferroelectric Polymer Films. <i>Journal of Physics: Conference Series</i> , 2018, 1052, 012112.	0.4	2
20	Preparation of poly(3,4-ethylenedioxythiophene) by vapor-phase polymerization at the interface between 3,4-ethylenedioxythiophene vapor and oxidant melt. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 688, 53-59.	0.9	2
21	Thermophysical properties of the parylene C dimer under vacuum. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDA15.	1.5	2
22	Determining interfacial resistance in thermoelectrochemical cells using transmission line measurement. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	2
23	Design and synthesis of proton-dopable organic semiconductors. <i>RSC Advances</i> , 2022, 12, 6748-6754.	3.6	2
24	Multipoint detection of structural deformation of pulsating 3D heart model using flexible organic piezoelectric-sensor array. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SE1014.	1.5	2
25	Improving the light-emitting properties of single-layered polyfluorene light-emitting devices by simple ionic liquid blending. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EH02.	1.5	1
26	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
27	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
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