Jakob Kjelstrup-Hansen

List of Publications by Year
in descending order

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82	1,078	394421 19	477307 29
papers	citations	h-index	g-index

82	82	82	1388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface temperature determination using long range thermal emission spectroscopy based on a first order scanning Fabry-PÃ©rot interferometer. Optics Express, 2022, 30, 2186-2196.	3.4	1
2	Acquisition and Analysis of Hyperspectral Thermal Images for Sample Segregation. Applied Spectroscopy, 2021, 75, 317-324.	2.2	2
3	Work function difference of naphthyl end-capped oligothiophene in different crystal alignments studied by Kelvin probe force microscopy. Organic Electronics, 2021, 89, 106060.	2.6	2
4	Early-stage growth observations of orientation-controlled vacuum-deposited naphthyl end-capped oligothiophenes. Physical Review Materials, 2021, 5, .	2.4	5
5	Modeling of Grazing-Incidence X-ray Diffraction from Naphthyl End-Capped Oligothiophenes in Organic Field-Effect Transistors. Crystal Growth and Design, 2020, 20, 3968-3978.	3.0	3
6	Semiconducting Supramolecular Organic Frameworks Assembled from a Near-Infrared Fluorescent Macrocyclic Probe and Fullerenes. Journal of the American Chemical Society, 2020, 142, 11497-11505.	13.7	24
7	Surface-Controlled Crystal Alignment of Naphthyl End-Capped Oligothiophene on Graphene: Thin-Film Growth Studied by in Situ X-ray Diffraction. Langmuir, 2020, 36, 1898-1906.	3.5	10
8	Photo-induced and electrical degradation of organic field-effect transistors. Organic Electronics, 2020, 82, 105717.	2.6	7
9	Laser-induced charge separation in organic nanofibers: A joint experimental and theoretical investigation. Organic Electronics, 2018, 53, 20-25.	2.6	1
10	Structural basis for a naphthyl end-capped oligothiophene with embedded metallic nanoparticles for organic field-effect transistors. Applied Physics Letters, 2018, 113, .	3.3	3
11	Photo-induced degradation mechanisms in 4P-NPD thin films. Organic Electronics, 2018, 63, 114-119.	2.6	4
12	Correlating Charge Transport with Structure in Deconstructed Diketopyrrolopyrrole Oligomers: A Case Study of a Monomer in Field-Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 19844-19852.	8.0	9
13	Structural Evaluation of 5,5â€²-Bis(naphth-2-yl)-2,2â€²-bithiophene in Organic Field-Effect Transistors with n-Octadecyltrichlorosilane Coated SiO₂ Gate Dielectric. Langmuir, 2018, 34, 6727-6736.	3.5	9
14	Transparent and conductive electrodes by large-scale nano-structuring of noble metal thin-films. Optical Materials Express, 2018, 8, 1733.	3.0	21
15	Modeling Multijunction Solar Cells by Nonlocal Tunneling and Subcell Analysis. IEEE Journal of Photovoltaics, 2018, 8, 1363-1369.	2.5	23
16	Modeling temperature dependent singlet exciton dynamics in multilayered organic nanofibers. Journal of Chemical Physics, 2018, 148, 204101.	3.0	8
17	Three-point bending setup for piezoresistive gauge factor measurement of thin-film samples at high temperatures. Review of Scientific Instruments, 2017, 88, 015001.	1.3	4
18	Enhanced photoresponsivity in organic field effect transistors by silver nanoparticles. Organic Electronics, 2017, 46, 270-275.	2.6	11

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19	Mapping charge carrier density in organic thin-film transistors by time-resolved photoluminescence lifetime studies. Organic Electronics, 2017, 49, 69-75.	2.6	3
20	A joint theoretical and experimental characterization of two acene-thiophene derivatives. Journal of Molecular Modeling, 2017, 23, 52.	1.8	2
21	Structural stability of naphthyl end-capped oligothiophenes in organic field-effect transistors measured by grazing-incidence X-ray diffraction in operando. Organic Electronics, 2017, 49, 375-381.	2.6	16
22	Titanium Nitride as a Strain Gauge Material. Journal of Microelectromechanical Systems, 2016, 25, 683-690.	2.5	5
23	Efficient Exciton Diffusion and Resonance-Energy Transfer in Multilayered Organic Epitaxial Nanofibers. Journal of Physical Chemistry C, 2015, 119, 15689-15697.	3.1	12
24	Organic Molecular Films as Light-Emitting and Light-Confining Material in Rolled-Up AlInP Semiconductor Microtube Resonators. ACS Photonics, 2015, 2, 1532-1538.	6.6	7
25	Role of the Charge-Transfer State in Reduced Langevin Recombination in Organic Solar Cells: A Theoretical Study. Journal of Physical Chemistry C, 2015, 119, 26588-26597.	3.1	38
26	Parallel integration of aligned carbon strings in polymer composite: Dielectrophoretic preparation, finite element simulation, and electrical characterization. Polymer Composites, 2015, 36, 1866-1874.	4.6	0
27	Low-voltage organic phototransistors based on naphthyl end-capped oligothiophene nanofibers. Organic Electronics, 2014, 15, 1273-1281.	2.6	22
28	The complex dispersion relation of surface plasmon polaritons at gold/para-hexaphenylene interfaces. Applied Physics B: Lasers and Optics, 2014, 116, 585-591.	2.2	25
29	The Interplay between Localized and Propagating Plasmonic Excitations Tracked in Space and Time. Nano Letters, 2014, 14, 2431-2435.	9.1	41
30	Transparency Enhancement for Photoinitiated Polymerization (UV Curing) through Magnetic Field Alignment in a Piezoresistive Metal/Polymer Composite. ACS Applied Materials & Interfaces, 2014, 6, 3469-3476.	8.0	16
31	Morphological Tuning of the Plasmon Dispersion Relation in Dielectric-Loaded Nanofiber Waveguides. Physical Review Letters, 2013, 111, 046802.	7.8	25
32	Organic surface-grown nanowires for functional devices. Reports on Progress in Physics, 2013, 76, 126502.	20.1	27
33	Multicolor nanofiber based organic light-emitting transistors. Organic Electronics, 2013, 14, 3324-3330.	2.6	14
34	Surface plasmon polariton propagation in organic nanofiber based plasmonic waveguides. Optics Express, 2013, 21, 8251.	3.4	17
35	Measurement of surface plasmon autocorrelation functions. Optics Express, 2013, 21, 27392.	3.4	8
36	Localized and guided electroluminescence from roll printed organic nanofibres. Nanotechnology, 2012, 23, 425203.	2.6	5

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37	Organic light-emitting transistors optimized by self-assembled monolayers. Proceedings of SPIE, 2012, , .	0.8	0
38	Mapping surface plasmon polariton propagation via counter-propagating light pulses. Optics Express, 2012, 20, 12877.	3.4	60
39	Microelectromechanical strain and pressure sensors based on electric field aligned carbon cone and carbon black particles in a silicone elastomer matrix. Journal of Applied Physics, 2012, 112, .	2.5	18
40	Application of a grating coupler for surface plasmon polariton excitation in a photoemission electron microscopy experiment. Proceedings of SPIE, 2012, , .	0.8	1
41	AC-driven light emission from in situ grown organic nanofibers. , 2012, , .		1
42	Mapping of gold nanostructure-enhanced near fields via laser scanning second-harmonic generation and ablation. Journal of Nanophotonics, 2012, 6, 063515.	1.0	10
43	Individual strings of conducting carbon cones and discs in a polymer matrix: Electric fieldâ€induced alignment and their use as a strain sensor. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 477-483.	2.1	12
44	Surface Plasmon Polariton Emission Prompted by Organic Nanofibers on Thin Gold Films. Plasmonics, 2012, 7, 253-260.	3.4	22
45	In situâ€“Directed Growth of Organic Nanofibers and Nanoflakes: Electrical and Morphological Properties. Nanoscale Research Letters, 2011, 6, 11.	5.7	15
46	Light-emission from in-situ grown organic nanostructures. Proceedings of SPIE, 2011, , .	0.8	1
47	Optical properties of microstructured surface-grown and transferred organic nanofibers. Journal of Nanophotonics, 2011, 5, 051701.	1.0	6
48	Near-field mapping by laser ablation of PMMA coatings. Proceedings of SPIE, 2011, , .	0.8	0
49	Charge-carrier injection assisted by space-charge field in AC-driven organic light-emitting transistors. Organic Electronics, 2011, 12, 1724-1730.	2.6	19
50	Organic nanofibers integrated by transfer technique in field-effect transistor devices. Nanoscale Research Letters, 2011, 6, 319.	5.7	14
51	Efficient Rollâ€On Transfer Technique for Wellâ€Aligned Organic Nanofibers. Small, 2011, 7, 2460-2463.	10.0	23
52	A strain sensor based on an aligned carbon particle string in a UV-cured polymer matrix. Applied Physics Letters, 2011, 99, .	3.3	12
53	Laser ablation of polymer coatings allows for electromagnetic field enhancement mapping around nanostructures. Applied Physics Letters, 2011, 98, 193117.	3.3	11
54	Electrical properties of in-situ grown and transferred organic nanofibers. Proceedings of SPIE, 2010, , .	0.8	0

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55	AC-biased organic light-emitting field-effect transistors from naphthyl end-capped oligothiophenes. Organic Electronics, 2010, 11, 1096-1102.	2.6	26
56	Conduction and electroluminescence from organic continuous and nanofiber thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2763-2766.	0.8	8
57	Reduced bleaching in organic nanofibers by bilayer polymer/oxide coating. Journal of Applied Physics, 2010, 107, .	2.5	7
58	Thermo-optic control of dielectric-loaded plasmonic waveguide components. Optics Express, 2010, 18, 1207.	3.4	169
59	Pinning of organic nanofiber surface growth. Nanoscale, 2010, 2, 134-138.	5.6	10
60	Controlled growth of organic nanofibers on nano- and micro-structured gold surfaces. Proceedings of SPIE, 2009, , .	0.8	1
61	The surface microstructure controlled growth of organic nanofibres. Nanotechnology, 2009, 20, 115601.	2.6	7
62	Charge transport in oligo phenylene and phenyleneâ€“thiophene nanofibers. Organic Electronics, 2009, 10, 1228-1234.	2.6	27
63	Charge-Transport Properties of para-Hexaphenylene Nanofibers. , 2008, , .		0
64	On the suitability of carbon nanotube forests as non-stick surfaces for nanomanipulation. Soft Matter, 2008, 4, 392.	2.7	14
65	Device-Oriented Studies on Electrical, Optical and Mechanical Properties of Individual Organic Nanofibers. , 2008, , 301-324.		0
66	Wafer scale integration of catalyst dots into nonplanar microsystems. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2007, 6, 043014.	0.9	0
67	Charge Injection and Transport in Organic Nanofibers. Journal of Physics: Conference Series, 2007, 61, 565-569.	0.4	3
68	Printed second harmonic active organic nanofiber arrays. Proceedings of SPIE, 2007, , .	0.8	2
69	Electrical conductivity of organic single-nanofiber devices with different contact materials. Organic Electronics, 2007, 8, 540-544.	2.6	16
70	MICROFABRICATED TOOLS FOR PICK-AND-PLACE OF NANOSCALE COMPONENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 120-126.	0.4	2
71	Mechanical Properties of Organic Nanofibers. Small, 2006, 2, 660-666.	10.0	24
72	Micromanipulation of organic nanofibers for blue light emitting microstructures. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1459-1463.	1.8	8

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73	Integrating nanotubes into microsystems with electron beam lithography and in situ catalytically activated growth. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1094-1099.	1.8	5
74	Electrical properties of a single p-hexaphenylene nanofiber. Thin Solid Films, 2006, 515, 827-830.	1.8	22
75	Versatile Method for Manipulating and Contacting Nanowires. Journal of Nanoscience and Nanotechnology, 2006, 6, 1995-1999.	0.9	8
76	Carbon nanotube forests: a non-stick workbench for nanomanipulation. Nanotechnology, 2006, 17, 4917-4922.	2.6	14
77	DC Characterisation of C60 Whiskers and Nanowhiskers. ECS Transactions, 2006, 2, 27-38.	0.5	26
78	Multi-walled carbon nanotubes integrated in microcantilevers for application of tensile strain. Ultramicroscopy, 2005, 105, 209-214.	1.9	22
79	Oxidation Properties of Al-Nanostructures on Si Surfaces. Physica Scripta, 2004, T114, 164-166.	2.5	1
80	Structural Effects of Electrode Proximity in Vacuumâ€Deposited Organic Semiconductors Studied by Microfocused Xâ€Ray Scattering. Advanced Engineering Materials, 0, , 2100082.	3.5	1
81	Vacuum Pressure Leads to an Organic Molecular Electronic Response. Journal of Physical Chemistry C, 0, , .	3.1	0
82	Mapping of electromagnetic fields enhanced by gold nanostructures. SPIE Newsroom, 0, , .	0.1	0