

Katsuichi Kanemoto

List of Publications by Year in descending order

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papers

504
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623734

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661
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#	ARTICLE	IF	CITATIONS
1	Facile Synthesis, Crystal Structures, and High-Spin Cationic States of All-para-Brominated Oligo(N-phenyl-m-aniline)s. <i>Journal of Organic Chemistry</i> , 2002, 67, 491-498.	3.2	86
2	Intrachain photoluminescence properties of conjugated polymers as revealed by long oligothiophenes and polythiophenes diluted in an inactive solid matrix. <i>Physical Review B</i> , 2006, 73, .	3.2	44
3	Polaron dynamics in two types of long oligothiophenes revealed by Q - and X -band ESR measurements. <i>Physical Review B</i> , 2007, 76, .	3.2	23
4	Polycationic States of Oligoanilines Based on Wurster's Blue. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4441-4450.	2.4	23
5	Morphology-Dependent Carrier and Exciton Generations in Regioregular Poly(3-hexylthiophene) Polymer Diodes as Revealed by Bleaching Spectroscopy. <i>Physical Review Letters</i> , 2009, 103, 187402.	7.8	20
6	Ultrafast photoexcitation dynamics of π -conjugated bodipy-anthracene-radical triad system. <i>RSC Advances</i> , 2012, 2, 5150.	3.6	20
7	True Vapor-Liquid-Solid Process Suppresses Unintentional Carrier Doping of Single Crystalline Metal Oxide Nanowires. <i>Nano Letters</i> , 2017, 17, 4698-4705.	9.1	20
8	A Bindschedler's Green-Based Arylamine: Its Polycations with High-Spin Multiplicity. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5715-5720.	2.5	19
9	Electron-spin dynamics of polarons in lightly doped polypyrroles. <i>Physical Review B</i> , 2000, 61, 1075-1082.	3.2	18
10	ESR Broadening in Conducting Polypyrrole Because of Oxygen: Application to the Study of Oxygen Adsorption. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2117-2121.	2.6	18
11	Concentration-dependence of photoluminescence properties in polythiophene diluted in an inactive polymer matrix. <i>Chemical Physics Letters</i> , 2005, 402, 549-553.	2.6	18
12	Intrachain Photoluminescence Dynamics of MEH-PPV in the Solid State. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12389-12394.	2.6	15
13	Ultrafast excited state dynamics of monomeric bacteriochlorophyll <i>a</i> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 92-95.	0.8	14
14	Spectroscopic investigation of excitons, photocarriers, and bias-induced carriers in regioregular poly(3-alkylthiophene). <i>Physical Review B</i> , 2011, 83, .	3.2	14
15	Polaron Dynamics of Heavily Doped Regioregular and Regiorandom Poly(3-alkylthiophenes) Revealed by Electron Spin Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10922-10926.	2.6	13
16	Effect of the dilution in polypropylene on photophysical properties of poly(3-alkylthiophenes). <i>Synthetic Metals</i> , 2005, 155, 162-167.	3.9	12
17	Temperature effects on quasi-isolated conjugated polymers as revealed by temperature-dependent optical spectra of 16-mer oligothiophene diluted in a solid matrix. <i>Journal of Chemical Physics</i> , 2009, 130, 234909.	3.0	11
18	ESR studies on polarons in long oligothiophenes. <i>Physical Review B</i> , 2003, 68, .	3.2	10

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19	Field-induced dissociation of electron-hole pairs in organic light emitting diodes monitored directly from bias-dependent magnetic resonance techniques. <i>Physical Review Materials</i> , 2017, 1, .	2.4	9
20	Direct optical probing of negative carriers from an operating [6,6]-phenyl C61 butyric acid methyl ester diode. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	8
21	Displacement current induced by spin resonance in air-treated conjugated polymer diodes. <i>Physical Review B</i> , 2012, 86, .	3.2	8
22	Spin-spin coupling between the two unpaired electrons in cross-conjugated tetrathiafulvalene dication radicals. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 197-202.	1.9	7
23	Doping-induced variation of electron spin relaxation behavior in polypyrroles. <i>Synthetic Metals</i> , 2000, 114, 79-84.	3.9	7
24	Origin of Stark Signals Induced by Continuous Photoirradiation for Working Dye-Sensitized Solar Cells Revealed by Photoinduced Absorption Measurements. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17260-17265.	3.1	6
25	Direct monitoring of bias-dependent variations in the exciton formation ratio of working organic light emitting diodes. <i>Scientific Reports</i> , 2015, 5, 15533.	3.3	6
26	Determining internal screening electric field of working polymer light emitting diodes. <i>Applied Physics Letters</i> , 2016, 109, 013301.	3.3	6
27	The exclusion of excited triplets as dominating paramagnetic species in doped PPy. <i>Synthetic Metals</i> , 2000, 110, 65-70.	3.9	5
28	Correlation between bias-dependent ESR signals and magnetic field effects in organic light emitting diodes. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	5
29	Exploring the behavior of electron-hole pairs in working organic light emitting diodes. <i>Physical Review Materials</i> , 2018, 2, .	2.4	5
30	Ultrafast coherent vibronic oscillations in regioregular poly(3-alkylthiophene). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, S46-S49.	0.8	4
31	Electron-Hole Pairs Generated in the Crystalline Phase of Polymer Diodes Studied by Electrically Detected Magnetic Resonance Techniques. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26116-26123.	3.1	4
32	ESR investigations on doped conjugated polymers diluted in a solid matrix. <i>Chemical Physics Letters</i> , 2010, 494, 41-44.	2.6	3
33	Charge injection process in polymer: Fullerene composite diodes studied by spectroscopic techniques combined with bias application. <i>Organic Electronics</i> , 2014, 15, 1958-1964.	2.6	3
34	Time-Resolved Operando Spectroscopic Measurements for Organic Field-Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1210-1217.	4.3	3
35	Quantifying Power Flow Processes Mediated by Spin Currents. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1663-1670.	4.3	3
36	Morphology dependent exciton formation in regioregular poly(3-alkyl)thiophenes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 88-91.	0.8	2

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37	Determination of photocarrier density under continuous photoirradiation using spectroscopic techniques as applied to polymer: Fullerene blend films. <i>Journal of Applied Physics</i> , 2014, 116, 163103.	2.5	2
38	Simultaneous Monitoring of Photoinduced Absorption Signals and Short-Circuit Photocurrent during Photoexcitation in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12624-12630.	3.1	2
39	Magneto-capacitance effects induced by air-generated traps in organic semiconductors. <i>Polyhedron</i> , 2017, 136, 61-63.	2.2	2
40	Temperature dependence of intra-chain photoluminescence of a long oligothiophene. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 193-196.	0.8	1
41	Intrachain photoluminescence dynamics of a long oligothiophene at room temperature. <i>Journal of Luminescence</i> , 2009, 129, 1845-1848.	3.1	1
42	Spectroscopic investigation of charge injection process in the bulk-heterojunction P3HT:PCBM solar cell. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2395-2398.	0.8	1
43	Spectroscopic investigations on Stark components observed in photoinduced absorption measurements for dye-sensitized solar cells. <i>Thin Solid Films</i> , 2014, 554, 226-229.	1.8	1
44	Displacement Current Induced by Electron Spin Resonance in Organic Semiconductor. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 622, 129-133.	0.9	1
45	Origin of electric field response signals in gate modulation spectroscopy for organic field effect transistors. <i>Organic Electronics</i> , 2020, 87, 105934.	2.6	1
46	Spectroscopic observation of triplet exciton dynamics during operation in polymer light emitting diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 629, 224-228.	0.9	0
47	Probing electron-hole pairs in polymer light emitting diodes using electrically- and electroluminescence-detected magnetic resonance techniques. <i>Polyhedron</i> , 2017, 136, 58-60.	2.2	0
48	Time-Resolved Operando Spectroscopy for Dye-Sensitized Solar Cells from Multiple Perspectives. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7535-7541.	3.1	0
49	Power-Dependent Characteristics of Spin Current Transfer in Metal Bilayer Devices under High-Power Pulse Excitation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21217-21223.	8.0	0