Katsuichi Kanemoto

List of Publications by Year
in descending order

49	504	623734	713466
papers	citations	14 h-index	21 g-index

50	50	50	661
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time-Resolved Operando Spectroscopy for Dye-Sensitized Solar Cells from Multiple Perspectives. Journal of Physical Chemistry C, 2022, 126, 7535-7541.	3.1	0
2	Power-Dependent Characteristics of Spin Current Transfer in Metal Bilayer Devices under High-Power Pulse Excitation. ACS Applied Materials & Interfaces, 2022, 14, 21217-21223.	8.0	0
3	Quantifying Power Flow Processes Mediated by Spin Currents. ACS Applied Electronic Materials, 2021, 3, 1663-1670.	4.3	3
4	Origin of electric field response signals in gate modulation spectroscopy for organic field effect transistors. Organic Electronics, 2020, 87, 105934.	2.6	1
5	Time-Resolved Operando Spectroscopic Measurements for Organic Field-Effect Transistors. ACS Applied Electronic Materials, 2020, 2, 1210-1217.	4.3	3
6	Electronâ€“Hole Pairs Generated in the Crystalline Phase of Polymer Diodes Studied by Electrically Detected Magnetic Resonance Techniques. Journal of Physical Chemistry C, 2019, 123, 26116-26123.	3.1	4
7	Correlation between bias-dependent ESR signals and magnetic field effects in organic light emitting diodes. Journal of Applied Physics, 2019, 125, .	2.5	5
8	Exploring the behavior of electron-hole pairs in working organic light emitting diodes. Physical Review Materials, 2018, 2, .	2.4	5
9	Probing electron-hole pairs in polymer light emitting diodes using electrically- and electroluminescence-detected magnetic resonance techniques. Polyhedron, 2017, 136, 58-60.	2.2	0
10	Simultaneous Monitoring of Photoinduced Absorption Signals and Short-Circuit Photocurrent during Photoexcitation in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2017, 121, 12624-12630.	3.1	2
11	Magneto-capacitance effects induced by air-generated traps in organic semiconductors. Polyhedron, 2017, 136, 61-63.	2.2	2
12	True Vaporâ€“Liquidâ€“Solid Process Suppresses Unintentional Carrier Doping of Single Crystalline Metal Oxide Nanowires. Nano Letters, 2017, 17, 4698-4705.	9.1	20
13	Field-induced dissociation of electron-hole pairs in organic light emitting diodes monitored directly from bias-dependent magnetic resonance techniques. Physical Review Materials, 2017, 1, .	2.4	9
14	Determining internal screening electric field of working polymer light emitting diodes. Applied Physics Letters, 2016, 109, 013301.	3.3	6
15	Spectroscopic observation of triplet exciton dynamics during operation in polymer light emitting diodes. Molecular Crystals and Liquid Crystals, 2016, 629, 224-228.	0.9	0
16	Direct monitoring of bias-dependent variations in the exciton formation ratio of working organic light emitting diodes. Scientific Reports, 2015, 5, 15533.	3.3	6
17	Displacement Current Induced by Electron Spin Resonance in Organic Semiconductor. Molecular Crystals and Liquid Crystals, 2015, 622, 129-133.	0.9	1
18	Determination of photocarrier density under continuous photoirradiation using spectroscopic techniques as applied to polymer: Fullerene blend films. Journal of Applied Physics, 2014, 116, 163103.	2.5	2

#	Article	IF	Citations
19	Origin of Stark Signals Induced by Continuous Photoirradiation for Working Dye-Sensitized Solar Cells Revealed by Photoinduced Absorption Measurements. Journal of Physical Chemistry C, 2014, 118, 17260-17265.	3.1	6
20	Spectroscopic investigations on Stark components observed in photoinduced absorption measurements for dye-sensitized solar cells. Thin Solid Films, 2014, 554, 226-229.	1.8	1
21	Charge injection process in polymer: Fullerene composite diodes studied by spectroscopic techniques combined with bias application. Organic Electronics, 2014, 15, 1958-1964.	2.6	3
22	Spectroscopic investigation of charge injection process in the bulk-heterojunction P3HT:PCBM solar cell. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2395-2398.	0.8	1
23	Displacement current induced by spin resonance in air-treated conjugated polymer diodes. Physical Review B, 2012, 86, .	3.2	8
24	Ultrafast photoexcitation dynamics of Ï€-conjugated bodipy-anthracene-radical triad system. RSC Advances, 2012, 2, 5150.	3.6	20
25	Morphology dependent exciton formation in regioregular poly(3-alkyl)thiophenes. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 88-91.	0.8	2
26	Ultrafast excited state dynamics of monomeric bacteriochlorophyll a. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 92-95.	0.8	14
27	Spectroscopic investigation of excitons, photocarriers, and bias-induced carriers in regioregular poly(3-alkylthiophene). Physical Review B, 2011, 83, .	3.2	14
28	ESR investigations on doped conjugated polymers diluted in a solid matrix. Chemical Physics Letters, 2010, 494, 41-44.	2.6	3
29	Direct optical probing of negative carriers from an operating [6,6]-phenyl C61 butyric acid methyl ester diode. Applied Physics Letters, 2010, 97, .	3.3	8
30	Morphology-Dependent Carrier and Exciton Generations in Regioregular Poly(3-hexylthiophene) Polymer Diodes as Revealed by Bleaching Spectroscopy. Physical Review Letters, 2009, 103, 187402.	7.8	20
31	Temperature effects on quasi-isolated conjugated polymers as revealed by temperature-dependent optical spectra of 16-mer oligothiophene diluted in a sold matrix. Journal of Chemical Physics, 2009, 130, 234909.	3.0	11
32	Polycationic States of Oligoanilines Based on Wurster's Blue. European Journal of Organic Chemistry, 2009, 2009, 4441-4450.	2.4	23
33	Temperature dependence of intra-chain photoluminescence of a long oligothiophene. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 193-196.	0.8	1
34	Ultrafast coherent vibronic oscillations in regioregular poly(3-alkylthiophene). Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S46-S49.	0.8	4
35	Intrachain photoluminescence dynamics of a long oligothiophene at room temperature. Journal of Luminescence, 2009, 129, 1845-1848.	3.1	1
36	Polaron Dynamics of Heavily Doped Regioregular and Regiorandom Poly(3-alkylthiophenes) Revealed by Electron Spin Resonance Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 10922-10926.	2.6	13

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37	Polaron dynamics in two types of long oligothiophenes revealed by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>- and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi></mml:math>-band ESR measurements. Physical Review B, 2007, 76, .	3.2	23
38	Intrachain Photoluminescence Dynamics of MEHâ^'PPV in the Solid State. Journal of Physical Chemistry B, 2007, 111, 12389-12394.	2.6	15
39	Intrachain photoluminescence properties of conjugated polymers as revealed by long oligothiophenes and polythiophenes diluted in an inactive solid matrix. Physical Review B, 2006, 73, .	3.2	44
40	Concentration-dependence of photoluminescence properties in polythiophene diluted in an inactive polymer matrix. Chemical Physics Letters, 2005, 402, 549-553.	2.6	18
41	Effect of the dilution in polypropylene on photophysical properties of poly(3-alkylthiophenes). Synthetic Metals, 2005, 155, 162-167.	3.9	12
42	A Bindschedler's Green-Based Arylamine:â€‰ Its Polycations with High-Spin Multiplicity. Journal of Physical Chemistry A, 2004, 108, 5715-5720.	2.5	19
43	ESR studies on polarons in long oligothiophenes. Physical Review B, 2003, 68, .	3.2	10
44	Facile Synthesis, Crystal Structures, and High-Spin Cationic States of All-para-Brominated Oligo(N-phenyl-m-aniline)s. Journal of Organic Chemistry, 2002, 67, 491-498.	3.2	86
45	ESR Broadening in Conducting Polypyrrole Because of Oxygen:â€‰ Application to the Study of Oxygen Adsorption. Journal of Physical Chemistry B, 2001, 105, 2117-2121.	2.6	18
46	Spin-spin coupling between the two unpaired electrons in cross-conjugated tetrathiafulvalene dication radicals. Journal of Physical Organic Chemistry, 2000, 13, 197-202.	1.9	7
47	Electron-spin dynamics of polarons in lightly doped polypyrroles. Physical Review B, 2000, 61, 1075-1082.	3.2	18
48	Doping-induced variation of electron spin relaxation behavior in polypyrroles. Synthetic Metals, 2000, 114, 79-84.	3.9	7
49	The exclusion of excited triplets as dominating paramagnetic species in doped PPy. Synthetic Metals, 2000, 110, 65-70.	3.9	5