Takeshi Koyama

List of Publications by Citations

42 papers	392 citations	12 h-index	18 g-index
46 ext. papers	473 ext. citations	5.1 avg, IF	3.22 L-index

#	Paper	IF	Citations
42	Isolation of Single-Wired Transition-Metal Monochalcogenides by Carbon Nanotubes. *Nano Letters*, **2019**, 19, 4845-4851	11.5	31
41	Ultrafast Exciton Energy Transfer in Bundles of Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry Letters*, **2011**, 2, 127-132	6.4	29
40	Ultrafast formation and decay dynamics of trions in p-doped single-walled carbon nanotubes. *Physical Review B*, **2013**, 87,	3.3	28
39	Ultrafast exciton energy transfer between nanoscale coaxial cylinders: intertube transfer and luminescence quenching in double-walled carbon nanotubes. *ACS Nano*, **2011**, 5, 5881-7	16.7	25
38	Ultrafast energy transfer of one-dimensional excitons between carbon nanotubes: a femtosecond time-resolved luminescence study. *Physical Chemistry Chemical Physics*, **2012**, 14, 1070-84	3.6	24
37	Near-Infrared photoluminescence in the femtosecond time region in monolayer graphene on SiO□ *ACS Nano*, **2013**, 7, 2335-43	16.7	22
36	Bright Luminescence and Exciton Energy Transfer in Polymer-Wrapped Single-Walled Carbon Nanotube Bundles. *Journal of Physical Chemistry Letters*, **2010**, 1, 3243-3248	6.4	22
35	Dynamics of nuclear wave packets at theFcenter in alkali halides. *Reports on Progress in Physics*, **2011**, 74, 076502	14.4	19
34	Photoluminescence of poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) in the visible region. *Journal of Materials Chemistry C*, **2015**, 3, 8307-8310	7.1	18
33	Near-Infrared Photoluminescence Properties of Endohedral Mono- and Dithulium Metallofullerenes. *ACS Nano*, **2016**, 10, 4282-7	16.7	16
32	Transient Absorption Kinetics Associated with Higher Exciton States in Semiconducting Single-Walled Carbon Nanotubes: Relaxation of Excitons and Phonons. *Journal of Physical Chemistry C*, **2013**, 117, 20289-20299	3.8	15
31	Ultrafast Energy Transfer from Fluorene Polymers to Single-Walled Carbon Nanotubes in Wrapped Carbon Nanotube Bundles. *Journal of Physical Chemistry C*, **2016**, 120, 4647-4652	3.8	13
30	Synthesis and Photophysics of Quaterrylene Molecules in Single-Walled Carbon Nanotubes: Excitation Energy Transfer between a Nanoscale Cylinder and Encapsulated Molecules. *Journal of Physical Chemistry C*, **2014**, 118, 21671-21681	3.8	12
29	Photophysics in Single-Walled Carbon Nanotubes with (6,4) Chirality at High Excitation Densities: Bimolecular Auger Recombination and Phase-Space Filling of Excitons. *Journal of Physical Chemistry C*, **2013**, 117, 1974-1981	3.8	12
28	Microscopic Mobility of Polarons in Chemically Doped Polythiophenes Measured by Employing Photoluminescence Spectroscopy. *ACS Photonics*, **2014**, 1, 655-661	6.3	11
27	Different Molecular Arrangement of Perylene in Metallic and Semiconducting Carbon Nanotubes: Impact of van der Waals Interaction. *Journal of Physical Chemistry C*, **2018**, 122, 5805-5812	3.8	10
26	Nuclear wave-packet oscillations at the F center in KCl and RbCl. *Physical Review B*, **2008**, 78,	3.3	9

25	Nuclear wave-packet dynamics on nearly degenerate two adiabatic potential energy surfaces in the excited state of KI F centers. *Physical Review B*, **2007**, 76,	3.3	9
24	Facile Synthetic Route to Atomically Thin Conductive Wires from Single-Species Molecules in One-Dimensionally Confined Space: Doped Conjugated Polymers inside Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry Letters*, **2017**, 8, 1702-1706	6.4	8
23	Acceleration of Photocarrier Relaxation in Graphene Achieved by Epitaxial Growth: Ultrafast Photoluminescence Decay of Monolayer Graphene on SiC. *Journal of Physical Chemistry C*, **2018**, 122, 19273-19279	3.8	7
22	Selective observation of the wave-packet dynamics in the excited states at KBr F centers by luminescence experiments. *Physical Review B*, **2006**, 73,	3.3	7
21	Persistent nuclear wave packet oscillation coexistent with incoherent vibrational population at excited F centers in KI. *Journal of Chemical Physics*, **2006**, 124, 221104	3.9	7
20	Ultrafast luminescence kinetics of metallic single-walled carbon nanotubes: Possible evidence for excitonic luminescence. *Physical Review B*, **2012**, 85,	3.3	6
19	Femtosecond luminescence decay due to exciton energy transfer in single-walled carbon nanotube bundles. *Journal of Luminescence*, **2011**, 131, 494-497	3.8	4
18	Femtosecond Depolarization of Hot Luminescence from theFCenter in KCl. *Journal of the Physical Society of Japan*, **2009**, 78, 075002	1.5	3
17	Hydrogen-surfactant-mediated epitaxy of Ge1−xSnxlayer and its effects on crystalline quality and photoluminescence property. *Japanese Journal of Applied Physics*, **2017**, 56, 01AB05	1.4	2
16	Ultrafast excitation energy transfer from encapsulated quaterrylene to single-walled carbon nanotube. *Journal of Luminescence*, **2016**, 169, 645-648	3.8	2
15	Energetics and electronic structures of perylene confined in carbon nanotubes. *Royal Society Open Science*, **2018**, 5, 180359	3.3	2
14	Trion dynamics in hole-doped single-walled carbon nanotubes **2013**,		2
13	Second 2s−2p level crossing at the F center in KCl evidenced by frequency upconversion spectroscopy. *Physical Review B*, **2009**, 79,	3.3	2
12	Electronic States of Electrochemically Doped Single-Layer Graphene Probed through Fano Resonance Effects in Raman Scattering. *Journal of Physical Chemistry C*, **2020**, 124, 26428-26433	3.8	2
11	Real-Time Observation on Femtosecond Depolarization of Room-Temperature Luminescence in KIFCenters. *Journal of the Physical Society of Japan*, **2006**, 75, 045001	1.5	2
10	Excitation Energy Transfer by Electron Exchange via Two-Step Electron Transfer between a Single-Walled Carbon Nanotube and Encapsulated Magnesium Porphyrin. *Journal of Physical Chemistry C*, **2020**, 124, 19406-19412	3.8	2
9	Femtosecond photoluminescence from monolayer MoS2: Time-domain study on exciton diffusion. *Physical Review B*, **2021**, 103,	3.3	2
8	Photoluminescence Enhancement Exceeding 10-Fold from Graphene via an Additional Layer: Photoluminescence from Monolayer and Bilayer Graphene Epitaxially Grown on SiC. *Journal of Physical Chemistry C*, **2021**, 125, 11014-11022	3.8	2

7	Observation of nuclear wave packets in the excited state of the F-center in alkali halides. *Journal of Luminescence*, **2009**, 129, 1435-1440	3.8	1
6	Wave-packet oscillation in the excited state of KBr F centers. *Journal of Luminescence*, **2006**, 119-120, 43-46	3.8	1
5	Effect of emissivity on ultrafast luminescence spectra in silver. *Journal of Applied Physics*, **2020**, 128, 203103	2.5	1
4	Two-Step Excitation Triggered by One-Photon Absorption on Linear Dispersion in Monolayer Graphene. *Journal of Physical Chemistry C*, **2016**, 120, 11225-11229	3.8	1
3	Relaxation dynamics of hot electrons in the transition metals Au, Ag, Cu, Pt, Pd, and Ni studied by ultrafast luminescence spectroscopy. *Journal of Applied Physics*, **2021**, 130, 025101	2.5	0
2	Dynamics of nuclear wave packet in the excited state of KCl F centers. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, 108-111		
1	Dynamical behavior of the wave packets on adiabatic potential surfaces observed by femtosecond luminescence spectroscopy. *Journal of Luminescence*, **2007**, 122-123, 517-521	3.8	