

Takaaki Harada

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

854
citations

759233

12
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

2065
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic-optical phonon up-conversion and hot-phonon bottleneck in lead-halide perovskites. Nature Communications, 2017, 8, 14120.	12.8	330
2	Imaging the motion of electrons across semiconductor heterojunctions. Nature Nanotechnology, 2017, 12, 36-40.	31.5	124
3	Cooperative Binding and Stabilization of the Medicinal Pigment Curcumin by Diamide Linked β -Cyclodextrin Dimers: A Spectroscopic Characterization. Journal of Physical Chemistry B, 2011, 115, 1268-1274.	2.6	62
4	Ultrafast Intrinsic Photoresponse and Direct Evidence of Sub-gap States in Liquid Phase Exfoliated MoS ₂ Thin Films. Scientific Reports, 2015, 5, 11272.	3.3	57
5	Ultrafast Carrier Dynamics in Methylammonium Lead Bromide Perovskite. Journal of Physical Chemistry C, 2016, 120, 2542-2547.	3.1	54
6	Delivery of Curcumin and Medicinal Effects of the Copper(II)-Curcumin Complexes. Current Pharmaceutical Design, 2013, 19, 2070-2083.	1.9	29
7	Diamide Linked β -Cyclodextrin Dimers as Molecular-Scale Delivery Systems for the Medicinal Pigment Curcumin to Prostate Cancer Cells. Molecular Pharmaceutics, 2013, 10, 4481-4490.	4.6	27
8	Nanoprecipitation and Spectroscopic Characterization of Curcumin-Encapsulated Polyester Nanoparticles. Langmuir, 2015, 31, 11419-11427.	3.5	25
9	Nanosecond long excited state lifetimes observed in hafnium nitride. Solar Energy Materials and Solar Cells, 2017, 169, 13-18.	6.2	19
10	Low-Bandgap Conjugated Polymer Dots for Near-Infrared Fluorescence Imaging. ACS Applied Nano Materials, 2018, 1, 4801-4808.	5.0	19
11	Engineering Photophenomena in Large, 3D Structures Composed of Self-Assembled van der Waals Heterostructure Flakes. Advanced Optical Materials, 2015, 3, 1551-1556.	7.3	17
12	The Capture and Stabilization of Curcumin Using Hydrophobically Modified Polyacrylate Aggregates and Hydrogels. Journal of Physical Chemistry B, 2014, 118, 9515-9523.	2.6	14
13	Delivery of Curcumin and Medicinal Effects of the Copper(II)-Curcumin Complexes. Current Pharmaceutical Design, 2013, 19, 2070-2083.	1.9	12
14	Excited-state dynamics of the medicinal pigment curcumin in a hydrogel. Physical Chemistry Chemical Physics, 2016, 18, 28125-28133.	2.8	12
15	Terahertz-frequency magnetoelectric effect in Ni-doped $\text{CaBaCo}_4\text{O}_7$. Physical Review B, 2017, 96, 080401.	3.2	12
16	Observation of Hot Carriers Existing in Ag ₂ S Nanoparticles and Its Implication on Solar Cell Application. Journal of Physical Chemistry C, 2016, 120, 10199-10205.	3.1	11
17	Obtaining Cross-Sections of Paint Layers in Cultural Artifacts Using Femtosecond Pulsed Lasers. Materials, 2017, 10, 107.	2.9	11
18	Optical Properties of the Atomically Precise C_{40} Core $[\text{Au}_9(\text{PPh}_3)_3\text{C}_8]^{3+}$ Cluster Probed by Transient Absorption Spectroscopy and Time-Dependent Density Functional Theory. Journal of Physical Chemistry C, 2021, 125, 2033-2044.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Generation of Fluorescent and Stable Conjugated Polymer Nanoparticles with Hydrophobically Modified Poly(acrylate)s. <i>Macromolecules</i> , 2016, 49, 8530-8539.	4.8	6
20	Femtosecond Transient Absorption Spectroscopy of the Medicinal Agent Curcumin in Diamide Linked β -Cyclodextrin Dimers. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2425-2433.	2.6	5
21	Emergent photophenomena in three dimensional van der Waals heterostructures. , 2015, , .		0
22	Ultrafast charge generation and relaxation dynamics in methylammonium lead bromide perovskites. , 2015, , .		0
23	Applicability of Femtosecond Lasers in the Cross-section Sampling of Works of Art. <i>MRS Advances</i> , 2017, 2, 1801-1804.	0.9	0
24	Nonlinear Optical Responses of Protected Atomically Thin Black Phosphorus. , 2016, , .		0
25	Imaging electron motion in 2D semiconductor heterojunctions. , 2017, , .		0