

# Tetsuhiro Kudo

## List of Publications by Year in descending order

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22  
papers

368  
citations

933447

10  
h-index

839539

18  
g-index

22  
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22  
docs citations

22  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Trapping-Formed Colloidal Assembly with Horns Extended to the Outside of a Focus through Light Propagation. <i>Nano Letters</i> , 2016, 16, 3058-3062.	9.1	60
2	Proposed Nonlinear Resonance Laser Technique for Manipulating Nanoparticles. <i>Physical Review Letters</i> , 2012, 109, 087402.	7.8	53
3	A Single Large Assembly with Dynamically Fluctuating Swarms of Gold Nanoparticles Formed by Trapping Laser. <i>Nano Letters</i> , 2018, 18, 5846-5853.	9.1	39
4	Optically Evolved Assembly Formation in Laser Trapping of Polystyrene Nanoparticles at Solution Surface. <i>Langmuir</i> , 2016, 32, 12488-12496.	3.5	38
5	Resonance optical trapping of individual dye-doped polystyrene particles with blue- and red-detuned lasers. <i>Optics Express</i> , 2017, 25, 4655.	3.4	23
6	Surface plasmon resonance effect on laser trapping and swarming of gold nanoparticles at an interface. <i>Optics Express</i> , 2020, 28, 27727.	3.4	21
7	Resonance optical manipulation of nano-objects based on nonlinear optical response. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14595.	2.8	20
8	Resonantly Enhanced Optical Trapping of Single Dye-Doped Particles at an Interface. <i>ACS Photonics</i> , 2021, 8, 1832-1839.	6.6	19
9	Dynamic Coupling of Optically Evolved Assembling and Swarming of Gold Nanoparticles with Photothermal Local Phase Separation of Polymer Solution. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16604-16615.	3.1	16
10	Theory of radiation force exerted on dye-doped molecules irradiated by resonant laser. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 66-69.	0.8	13
11	Anomalous Large Assembly Formation of Polystyrene Nanoparticles by Optical Trapping at the Solution Surface. <i>Langmuir</i> , 2020, 36, 14234-14242.	3.5	10
12	Optical Force-Induced Dynamics of Assembling, Rearrangement, and Three-Dimensional Pistol-like Ejection of Microparticles at the Solution Surface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27107-27117.	3.1	9
13	Cooperative Optical Trapping of Polystyrene Microparticle and Protein Forming a Submillimeter Linear Assembly of Microparticle. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18988-18999.	3.1	8
14	Opto-thermophoretic trapping of micro and nanoparticles with a 2 $\mu\text{m}$ Tm-doped fiber laser. <i>Optics Express</i> , 2021, 29, 38314.	3.4	7
15	Two-color laser manipulation of single organic molecules based on nonlinear optical response. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	6
16	Large Submillimeter Assembly of Microparticles with Necklace-like Patterns Formed by Laser Trapping at Solution Surface. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6057-6062.	4.6	6
17	Photon Momentum Dictates the Shape of Swarming Gold Nanoparticles in Optical Trapping at an Interface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19013-19021.	3.1	6
18	Formation Mechanism and Fluorescence Characterization of a Transient Assembly of Nanoparticles Generated by Femtosecond Laser Trapping. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27823-27833.	3.1	5

#	ARTICLE	IF	CITATIONS
19	The Optical Absorption Force Allows Controlling Colloidal Assembly Morphology at an Interface. <i>Advanced Optical Materials</i> , 0, , 2200231.	7.3	5
20	Unraveling the three-dimensional morphology and dynamics of the optically evolving polystyrene nanoparticle assembly using dual-objective lens microscopy. <i>Journal of the Chinese Chemical Society</i> , 0, , .	1.4	3
21	Transmission spectral and diffraction pattern study on optical trapping and assembling of dielectric nanoparticles at solution/glass interface. , 2020, , .		1
22	Nanoparticle Assembling Dynamics Induced by Pulsed Optical Force. <i>Chemical Record</i> , 2021, 21, 1473-1488.	5.8	0