Yoshito Y Tanaka

List of Publications by Year
in descending order

61	1,028	394421 19	434195 31
papers	citations	h-index	g-index

61	61	61	1191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanostructured Potential of Optical Trapping Using a Plasmonic Nanoblock Pair. Nano Letters, 2013, 13, 2146-2150.	9.1	104
2	Enantioselective Discrimination of Alcohols by Hydrogen Bonding: A SERS Study. Angewandte Chemie - International Edition, 2014, 53, 13866-13870.	13.8	83
3	Laser-induced self-assembly of silver nanoparticles via plasmonic interactions. Optics Express, 2009, 17, 18760.	3.4	49
4	3D SERS Imaging Using Chemically Synthesized Highly Symmetric Nanoporous Silver Microparticles. Angewandte Chemie - International Edition, 2016, 55, 8391-8395.	13.8	44
5	Two-Photon Fluorescence Spectroscopy of Individually Trapped Pseudoisocyanine J-Aggregates in Aqueous Solution. Journal of Physical Chemistry B, 2006, 110, 17906-17911.	2.6	42
6	Tip-Enhanced Raman Scattering of the Local Nanostructure of Epitaxial Graphene Grown on 4H-SiC (0001ì...). Journal of Physical Chemistry C, 2014, 118, 25809-25815.	3.1	42
7	Plasmonic linear nanomotor using lateral optical forces. Science Advances, 2020, 6, .	10.3	41
8	Nanoscale interference patterns of gap-mode multipolar plasmonic fields. Scientific Reports, 2012, 2, 764.	3.3	40
9	Tridirectional Polarization Routing of Light by a Single Triangular Plasmonic Nanoparticle. Nano Letters, 2017, 17, 3165-3170.	9.1	40
10	Observation of Autler-Townes splitting in six-wave mixing. Optics Express, 2011, 19, 7726.	3.4	39
11	Optical trapping through the localized surface-plasmon resonance of engineered gold nanoblock pairs. Optics Express, 2011, 19, 17462.	3.4	38
12	Far- and deep-ultraviolet surface plasmon resonance sensors working in aqueous solutions using aluminum thin films. Scientific Reports, 2017, 7, 5934.	3.3	38
13	Surface Enhanced Raman Scattering from Pseudoisocyanine on Ag Nanoaggregates Produced by Optical Trapping with a Linearly Polarized Laser Beam. Journal of Physical Chemistry C, 2009, 113, 11856-11860.	3.1	37
14	Confinement of Photopolymerization and Solidification with Radiation Pressure. Journal of the American Chemical Society, 2011, 133, 14472-14475.	13.7	37
15	Fast non-interferometric iterative phase retrieval for holographic data storage. Optics Express, 2017, 25, 30905.	3.4	30
16	Nanopattern Fabrication of Gold on Hydrogels and Application to Tunable Photonic Crystal. Advanced Materials, 2012, 24, 5243-5248.	21.0	28
17	Direct optical measurements of far- and deep-ultraviolet surface plasmon resonance with different refractive indices. Optics Express, 2016, 24, 21886.	3.4	28
18	Unidirectional control of optically induced spin waves. Europhysics Letters, 2017, 117, 67001.	2.0	23

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19	Nanoscale Color Sorting of Surface Plasmons in a Double-Nanogap Structure with Multipolar Plasmon Excitation. Nano Letters, 2015, 15, 7086-7090.	9.1	21
20	Efficient optical trapping using small arrays of plasmonic nanoblock pairs. Applied Physics Letters, 2012, 100, 021102.	3.3	19
21	Aluminum Film Thickness Dependence of Surface Plasmon Resonance in the Far- and Deep-ultraviolet Regions. Chemistry Letters, 2017, 46, 1560-1563.	1.3	16
22	Laser microfixation of highly ordered J aggregates on a glass substrate. Applied Physics Letters, 2007, 91, 041102.	3.3	15
23	Characterization of SiC-grown epitaxial graphene microislands using tip-enhanced Raman spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 28993-28999.	2.8	14
24	Enhanced Surface Plasmon Resonance Wavelength Shifts by Molecular Electronic Absorption in Far- and Deep-Ultraviolet Regions. Scientific Reports, 2020, 10, 9938.	3.3	14
25	High noise margin decoding of holographic data page based on compressed sensing. Optics Express, 2020, 28, 7139.	3.4	14
26	Laser-Induced Self-Assembly of Pseudoisocyanine J-Aggregates. Journal of Physical Chemistry C, 2007, 111, 18457-18460.	3.1	13
27	Plasmonicâ€“Diffractive Hybrid Sensors Based on a Gold Nanoprism Array. ACS Applied Nano Materials, 2018, 1, 5994-5999.	5.0	12
28	Efficient optical coupling into a single plasmonic nanostructure using a fiber-coupled microspherical cavity. Physical Review A, 2014, 89, .	2.5	10
29	Analysis of blinking from multicoloured SERSâ€active Ag colloidal nanoaggregates with polyâ€Lâ€lysine via truncated power law. Journal of Raman Spectroscopy, 2017, 48, 570-577.	2.5	9
30	3D SERS Imaging Using Chemically Synthesized Highly Symmetric Nanoporous Silver Microparticles. Angewandte Chemie, 2016, 128, 8531-8535.	2.0	8
31	Launching and Control of Graphene Plasmons by Nanoridge Structures. ACS Photonics, 2018, 5, 1050-1057.	6.6	8
32	Two-photon excited fluorescence from a pseudoisocyanine-attached gold-coated tip via a thin tapered fiber under a weak continuous wave excitation. Optics Express, 2013, 21, 27759.	3.4	7
33	Side-illuminated tip-enhanced Raman study of edge phonon in graphene at the electrical breakdown limit. Applied Physics Letters, 2016, 108, .	3.3	7
34	Continuity equation for spin angular momentum in relation to optical chirality. Physical Review A, 2020, 102, .	2.5	7
35	Plasmon-hybridization-induced optical torque between twisted metal nanorods. Optics Express, 2020, 28, 2398.	3.4	6
36	Unidirectional emission of phase-controlled second harmonic generation from a plasmonic nanoantenna. Nanophotonics, 2021, 10, 4601-4609.	6.0	6

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37	Direct Observation of Localized Fields in Nanogaps between Metal Particles Using a Scattering-Type Near-Field Microscope. Applied Physics Express, 2009, 2, 102002.	2.4	4
38	Transverse optical torque induced by localized surface plasmons. Physical Review A, 2019, 100, .	2.5	4
39	Farâ€•and Deepâ€Ultraviolet Surface Plasmon Resonance Sensor. Chemical Record, 2019, 19, 1210-1219.	5.8	4
40	Interactions Between Epitaxial Graphene Grown on the Si- and C-Faces of 4H-SiC Investigated Using Raman Imaging and Tip-Enhanced Raman Scattering. Applied Spectroscopy, 2020, 74, 1384-1390.	2.2	4
41	Giant chiroptical response of twisted metal nanorods due to strong plasmon coupling. APL Photonics, 2021, 6, 126104.	5.7	4
42	Near-field optical response of periodically arrayed plasmonic nanogap antennas. Journal of Applied Physics, 2013, 114, 024306.	2.5	3
43	Polyelectrolytic Behavior of a Novel Fluorine-Containing Ionomer, PPFNAâ€. Journal of Physical Chemistry B, 2003, 107, 8146-8151.	2.6	2
44	Effect of salts on the electrical conductance of a fluorine-containing poly(carboxylic acid), PPFNA. Colloids and Surfaces B: Biointerfaces, 2007, 56, 277-280.	5.0	2
45	Selection and transfer of individual plasmon-resonant metal nanoparticles. Applied Physics Letters, 2010, 96, 053117.	3.3	2
46	Two-photon excited fluorescence from a pseudoisocyanine-attached gold tip via a plasmonic-photonic hybrid system. Optics Express, 2015, 23, 21730.	3.4	2
47	Development of far- and deep-ultraviolet surface plasmon resonance (SPR) sensor using aluminum thin film. Proceedings of SPIE, 2016, , .	0.8	2
48	Theoretical Study of a Surface Collinear Holographic Memory. Photonics, 2019, 6, 70.	2.0	2
49	Soft trapping lasts longer: Dwell time of a Brownian particle varied by potential shape. Physical Review E, 2019, 99, 022119.	2.1	2
50	Thiacarbocyanine dye J-aggregation in optical trapping potential. , 2006, , .		1
51	Nonlinear phenomena from a PIC-attached gold tip using a plasmonic-whispering gallery mode hybrid system. Proceedings of SPIE, 2013, , .	0.8	1
52	Patterning: Nanopattern Fabrication of Gold on Hydrogels and Application to Tunable Photonic Crystal (Adv. Mater. 38/2012). Advanced Materials, 2012, 24, 5242-5242.	21.0	0
53	Direct imaging of localized fields in a gold nanostructure using a scattering-type near-field microscope. , 2013, , .		0
54	Tip-enhanced Raman spectroscopy of nanostructures on epitaxial graphene and graphene microisland. , 2016, , .		0

#	Article	IF	Citations
55	Tip-Enhanced Raman Scattering of Local Nanostructure on Large Sheet and Microisland Epitaxial Graphene Grown on 4Hâ€“SiC (0001). ACS Symposium Series, 2016, , 227-245.	0.5	0
56	3D SERS imaging based on chemically-synthesized highly-symmetric nanoporous silver microparticles. , 2016, , .		0
57	Extraordinary optical transverse torque induced by localized surface plasmon. , 2018, , .		0
58	Graphene nanoridges as a directional plasmon launcher. , 2018, , .		0
59	Effect of force field shape on the Brownian particle trapping duration of optical tweezer. The Proceedings of the Symposium on Micro-Nano Science and Technology, 2019, 2019.10, 19pm5PN304.	0.0	0
60	Plasmon-induced transverse optical torque on nanostructures. , 2020, , .		0
61	Plasmonic nanomotors with directional control of scattered light. , 2020, , .		0