Rintaro Shimada

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4418807/publications.pdf

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18	264	1040056 9	940533 16
papers	citations	h-index	g-index

19	19	19	500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automatic and objective oral cancer diagnosis by Raman spectroscopic detection of keratin with multivariate curve resolution analysis. Scientific Reports, 2016, 6, 20097.	3.3	43
2	Rapid in vivo lipid/carbohydrate quantification of single microalgal cell by Raman spectral imaging to reveal salinity-induced starch-to-lipid shift. Biotechnology for Biofuels, 2017, 10, 9.	6.2	37
3	Hyper-Raman microspectroscopy: a new approach to completing vibrational spectral and imaging information under a microscope. Optics Letters, 2006, 31, 320.	3.3	31
4	Preferential Photoreaction in a Porous Crystal, Metalâ€“Macrocycle Framework: Pd^{II}-Mediated Olefin Migration over [2+2] Cycloaddition. Journal of the American Chemical Society, 2018, 140, 16610-16614.	13.7	29
5	Spatiotemporal analysis with a genetically encoded fluorescent RNA probe reveals TERRA function around telomeres. Scientific Reports, 2016, 6, 38910.	3.3	26
6	Molecular near-field effect and intensity enhancement of solvent modes in resonance hyper-Raman scattering. Journal of Raman Spectroscopy, 2006, 37, 469-471.	2.5	20
7	Liquid/Liquid Interfacial Synthesis of a Click Nanosheet. Chemistry - A European Journal, 2017, 23, 8443-8449.	3.3	17
8	Molecular near-field antenna effect in resonance hyper-Raman scattering: Intermolecular vibronic intensity borrowing of solvent from solute through dipole-dipole and dipole-quadrupole interactions. Journal of Chemical Physics, 2014, 140, 204506.	3.0	11
9	Intensity enhancement and selective detection of proximate solvent molecules by molecular near-field effect in resonance hyper-Raman scattering. Journal of Chemical Physics, 2008, 129, 024505.	3.0	9
10	Superresolution vibrational imaging by simultaneous detection of Raman and hyper-Raman scattering. Optics Letters, 2011, 36, 2545.	3.3	9
11	Comprehensive modeling of bloodstain aging by multivariate Raman spectral resolution with kinetics. Communications Chemistry, 2019, 2, .	4.5	8
12	Soluteâ€“solvent intermolecular vibronic coupling as manifested by the molecular near-field effect in resonance hyper-Raman scattering. Journal of Chemical Physics, 2011, 134, 034516.	3.0	7
13	Visualization of intracellular lipid metabolism in brown adipocytes by time-lapse ultra-multiplex CARS microspectroscopy with an onstage incubator. Journal of Chemical Physics, 2021, 155, 125102.	3.0	5
14	Two-step photoionization of trans-stilbene in acetonitrile via an ion-pair precursor studied with picosecond time-resolved absorption and Raman spectroscopies. Chemical Physics Letters, 2012, 527, 27-30.	2.6	4
15	Detection of Solvent/Buried TiO2 Surface Interactions by Intermolecular Fano Resonance in Resonance Hyper-Raman Scattering. Langmuir, 2013, 29, 2471-2475.	3.5	4
16	Parallelized shiftedâ€excitation Raman difference spectroscopy for fluorescence rejection in a temporary varying system. Journal of Biophotonics, 2019, 12, e201960028.	2.3	3
17	Molecular Near-Field Effect in Resonance Hyper-Raman Scattering: Excitation Profile of all-trans-Î²-carotene in Cyclohexane. , 2010, , .		0
18	Simultaneous Raman and Hyper-Raman Microspectroscopic Imaging. , 2010, , .		0