

# Rintaro Shimada

## List of Publications by Year in descending order

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

Version: 2024-02-01

18  
papers

264  
citations

1040056

9  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

500  
citing authors

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