

# Kotaro Kajikawa

## List of Publications by Year in descending order

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35  
papers

417  
citations

840776

11  
h-index

752698

20  
g-index

35  
all docs

35  
docs citations

35  
times ranked

662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Label and Label-Free Detection Techniques for Protein Microarrays. <i>Microarrays</i> (Basel, Switzerland), 2015, 4, 228-244.	1.4	148
2	Linear and nonlinear optical properties of gold nanospheres immobilized on a metallic surface. <i>Physical Review B</i> , 2006, 74, .	3.2	48
3	Terahertz emission from surface-immobilized gold nanospheres. <i>Optics Letters</i> , 2012, 37, 4053.	3.3	19
4	Optical Fiber-Type Sugar Chip Using Localized Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2017, 89, 1086-1091.	6.5	19
5	Biometamaterials: Black Ultrathin Gold Film Fabricated on Lotus Leaf. <i>Scientific Reports</i> , 2015, 5, 15992.	3.3	18
6	Dry-etching method for fabricating photonic-crystal waveguides in nonlinear-optical polymers. <i>Applied Physics Letters</i> , 2003, 82, 2966-2968.	3.3	17
7	Novel Cu and Leaf Nanostructure-Based Photothermal Biomaterial for Efficient Solar Steam Generation. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100159.	5.3	13
8	Phase-matched third-harmonic generation from nematic liquid crystals. <i>Applied Physics Letters</i> , 2004, 84, 5013-5015.	3.3	12
9	Design by neural network of concentric multilayered cylindrical metamaterials. <i>Applied Physics Express</i> , 2020, 13, 042003.	2.4	12
10	Superscattering from cylindrical hyperbolic metamaterials in the visible region. <i>Optics Express</i> , 2020, 28, 1507.	3.4	12
11	Patterning technique for gold nanoparticles on substrates using a focused electron beam. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1010-1015.	2.8	11
12	A visible and near-infrared broadband light absorber of cone-shaped metallic cavities. <i>Applied Physics Express</i> , 2020, 13, 062001.	2.4	11
13	Biometamaterial: dark ultrathin gold film fabricated on taro leaf. <i>Optical Materials Express</i> , 2016, 6, 1429.	3.0	10
14	Modeling of semi-shell nanostructures formed by metal deposition on dielectric nanospheres and numerical evaluation of plasmonic properties. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 035201.	1.5	9
15	Optical rectification in self-assembled monolayers probed at surface plasmon resonance condition. <i>Applied Physics Letters</i> , 2009, 95, 021107.	3.3	8
16	Broadband light absorber property of metal-coated pillars on cicada wings. <i>Optical Materials Express</i> , 2019, 9, 2761.	3.0	7
17	Broadband light absorber of gold-coated moth-eye film. <i>Optical Materials Express</i> , 2019, 9, 3744.	3.0	7
18	Preparation and Optical Characterization of Hemicyanine Self-Assembled Monolayer on Au Substrate. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 370, 277-283.	0.3	6

#	ARTICLE	IF	CITATIONS
19	SURFACE PLASMON RESONANCE ENHANCED SECOND-HARMONIC GENERATION IN POLED POLYMER THIN FILM. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 406, 129-133.	0.9	5
20	Phase of the electric field localized at surface-immobilized gold nanospheres determined by second-harmonic interferometry. <i>Physical Review B</i> , 2011, 83, .	3.2	4
21	Tuning plasmonic colors of Ag nanodomains by the arrangement of polystyrene beads template. <i>Molecular Crystals and Liquid Crystals</i> , 2021, 729, 61-67.	0.9	4
22	Comparison of cylinder- and planar-effective medium approximations on calculation of scattering properties of cylindrical hyperbolic metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 559.	2.1	4
23	In-plane Field-Driven Excitonic Electro-Optic Modulation in Monolayer Semiconductor. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	4
24	Signal Enhancement Strategies for Refractive Index-Sensitive Nanobiosensor. <i>Protein and Peptide Letters</i> , 2018, 25, 34-41.	0.9	2
25	Anomalous Reflection of Gold: A Novel Platform for Biochips. <i>Methods in Molecular Biology</i> , 2016, 1352, 97-110.	0.9	2
26	Effective medium and equivalent circuit analysis of extraordinary transmission through metallic grating in the infrared range. <i>OSA Continuum</i> , 2019, 2, 1639.	1.8	2
27	Blackbody Metamaterial Composite Film of Nanoparticle and Polymer. <i>Springer Series in Materials Science</i> , 2019, , 43-57.	0.6	1
28	Extraordinary transmission of gold-capped sphere arrays in mid-infrared range. <i>Optics Express</i> , 2021, 29, 35191.	3.4	1
29	Dynamics on Molecular Films. <i>Surface Plasmon Resonance Measurement for Organic Ultrathin Films.. Hyomen Kagaku</i> , 2000, 21, 630-634.	0.0	1
30	1P347 Detection of living-cell reaction by means of ellipsometry with rotating analyzer(New) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	0.1	0
31	All optical bistability device based on metal/liquid crystal/metal structure. , 2014, , .		0
32	Optical Fiber Biosensor Based on Localized Surface Plasmon Resonance in Gold Nanoparticles. <i>The Review of Laser Engineering</i> , 2005, 33, 603-608.	0.0	0
33	Label-Free Biosensing Technique Based on Anomalous Reflection of Gold. <i>Hyomen Kagaku</i> , 2007, 28, 218-222.	0.0	0
34	Metamaterial Light Absorber. <i>The Review of Laser Engineering</i> , 2016, 44, 27.	0.0	0
35	Investigation of polyesters as daytime radiative cooling materials. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-7.	0.9	0