

# Kosuke Sugawa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4040099/publications.pdf>

Version: 2024-02-01

79  
papers

1,164  
citations

516710

16  
h-index

434195

31  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Enhanced Fluorescence Platforms Based on Plasmonic Ordered Copper Arrays: Wavelength Dependence of Quenching and Enhancement Effects. <i>ACS Nano</i> , 2013, 7, 9997-10010.	14.6	157
2	Refractive Index Susceptibility of the Plasmonic Palladium Nanoparticle: Potential as the Third Plasmonic Sensing Material. <i>ACS Nano</i> , 2015, 9, 1895-1904.	14.6	109
3	Enormous enhancement in photocurrent generation using electrochemically fabricated gold nanostructures. <i>Chemical Communications</i> , 2010, 46, 306-308.	4.1	60
4	Plasmon-Enhanced Photocurrent Generation from Self-Assembled Monolayers of Phthalocyanine by Using Gold Nanoparticle Films. <i>Langmuir</i> , 2009, 25, 3887-3893.	3.5	56
5	Particle size dependence of the surface-enhanced Raman scattering properties of densely arranged two-dimensional assemblies of Au(core)-Ag(shell) nanospheres. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21182-21189.	2.8	45
6	Development of Plasmonic Cu <sub>2</sub> O/Cu Composite Arrays as Visible- and Near-Infrared-Light-Driven Plasmonic Photocatalysts. <i>Langmuir</i> , 2017, 33, 5685-5695.	3.5	40
7	A 2,1,3-Benzooxadiazole Moiety in a D-type Hole-Transporting Material for Boosting the Photovoltage in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17617-17624.	3.1	40
8	Cobalt-doped nickel oxide nanoparticles as efficient hole transport materials for low-temperature processed perovskite solar cells. <i>Solar Energy</i> , 2019, 181, 243-250.	6.1	37
9	Densely arranged two-dimensional silver nanoparticle assemblies with optical uniformity over vast areas as excellent surface-enhanced Raman scattering substrates. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15802.	2.8	36
10	Perovskite Solar Cells Using Surface-Modified NiO Nanoparticles as Hole Transport Materials in n-i-p Configuration. <i>Solar Rrl</i> , 2019, 3, 1900172.	5.8	32
11	Graphene oxide/carbon nanoparticle thin film based IR detector: Surface properties and device characterization. <i>AIP Advances</i> , 2015, 5, .	1.3	30
12	Neutral and anionic tetrazole-based ligands in designing novel ruthenium dyes for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 307, 416-425.	7.8	27
13	Enhanced Absorption and Emission in a Copper Phthalocyanine-Gold Nanoparticle System Assisted by Localized Surface Plasmon. <i>Chemistry Letters</i> , 2009, 38, 326-327.	1.3	23
14	Prostaglandin E2 facilitates neurite outgrowth in a motor neuron-like cell line, NSC-34. <i>Journal of Pharmacological Sciences</i> , 2017, 135, 64-71.	2.5	22
15	Precise Control of Localized Surface Plasmon Wavelengths Is Needed for Effective Enhancement of Triplet-Triplet Annihilation-Based Upconversion Emission. <i>ACS Photonics</i> , 2018, 5, 5025-5037.	6.6	20
16	Hole-Transport Materials Containing Triphenylamine Donors with a Spiro[fluorene-9,9'-xanthene] Core for Efficient and Stable Large Area Perovskite Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700096.	5.8	19
17	Efficient Photocurrent Enhancement from Porphyrin Molecules on Plasmonic Copper Arrays: Beneficial Utilization of Copper Nanoantennae on Plasmonic Photoelectric Conversion Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 750-762.	8.0	18
18	Electro-active nanofibers of a tetrathiafulvalene derivative with amide hydrogen bonds as a dopant-free hole transport material for perovskite solar cells. <i>Solar Energy</i> , 2019, 194, 248-253.	6.1	17

#	ARTICLE	IF	CITATIONS
19	Photocurrent generation properties of electrochemically polymerized terthiophene-linked fullerene film. <i>Synthetic Metals</i> , 2009, 159, 965-968.	3.9	16
20	Photocurrent enhancement of porphyrin molecules over a wide-wavelength region based on combined use of silver nanoprisms with different aspect ratios. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11439-11448.	5.5	16
21	Thiocyanate-free asymmetric ruthenium(II) dye sensitizers containing azole chromophores with near-IR light-harvesting capacity. <i>Journal of Power Sources</i> , 2016, 331, 100-111.	7.8	16
22	Plasmonic Silver Nanoprism-Induced Emissive Mode Control between Fluorescence and Phosphorescence of a Phosphorescent Palladium Porphyrin Derivative. <i>ACS Nano</i> , 2019, 13, 13244-13256.	14.6	16
23	Anthradithiophene based hole-transport material for efficient and stable perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2020, 48, 293-298.	12.9	16
24	Cyclic Tetramers of Zinc Chlorophylls as a Coupled Light-Harvesting Antenna-Charge Separation System. <i>Chemistry - A European Journal</i> , 2016, 22, 1165-1176.	3.3	15
25	One-pot synthesis of monodisperse CoFe <sub>2</sub> O <sub>4</sub> @Ag core-shell nanoparticles and their characterization. <i>Nanoscale Research Letters</i> , 2018, 13, 176.	5.7	15
26	Plasmonic triangular nanoprism sensors. <i>Materials Advances</i> , 2021, 2, 32-46.	5.4	14
27	Characterization and Evaluation of Role of Porphyrin Moiety in meso-Tetrathienylporphyrin-Polythiophene Composite Film. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 2632-2635.	1.5	13
28	Structural Characterization and Photoelectrochemical Properties of Gold Nanoparticle Multistructures Prepared by Layer-by-Layer Deposition. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 04C132.	1.5	13
29	Facile Fabrication and Photocurrent Generation Properties of Electrochemically Polymerized Fullerene-Poly(ethylene dioxythiophene) Composite Films. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 04C172.	1.5	13
30	Photophysical and Electrochemical Properties of Thienyl-naphthalimide Dyes with Excellent Photostability. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5178-5188.	2.5	13
31	Effect of different auxiliary ligands and anchoring ligands on neutral thiocyanate-free ruthenium(II) dyes bearing tetrazole chromophores for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2017, 140, 354-362.	3.7	13
32	Preparation and characterization of porphyrin-polythiophene stacked films as prepared by electrochemical method under stirring condition. <i>Thin Solid Films</i> , 2008, 516, 2502-2506.	1.8	12
33	Facile synthesis of "lucky clover" hole-transport material for efficient and stable large-area perovskite solar cells. <i>Journal of Power Sources</i> , 2020, 454, 227938.	7.8	11
34	Construction of dendrimers with a square-shaped core consisting of zinc chlorophyll assembly via intermolecular nitrogen-zinc coordination. <i>Tetrahedron Letters</i> , 2016, 57, 48-52.	1.4	10
35	Triphenylamine-based hole transporting materials with thiophene-derived bridges for perovskite solar cells. <i>Synthetic Metals</i> , 2020, 261, 116323.	3.9	10
36	Photocurrent enhancement tuned with plasmonic resonance in self-assembled monolayers fabricated on regularly arrayed gold nanostructures. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 318-322.	2.9	9

#	ARTICLE	IF	CITATIONS
37	Cyclometalated ruthenium complexes with 6-(ortho-methoxyphenyl)-2,2'-bipyridine as panchromatic dyes for dye-sensitized solar cells. <i>Journal of Organometallic Chemistry</i> , 2017, 833, 61-70.	1.8	9
38	Mie Resonance-Enhanced Light Absorption of FeS <sub>2</sub> Nanocubes in a Near-Infrared Region: Intraparticulate Synergy between Electronic Absorption and Mie Resonances. <i>ACS Applied Energy Materials</i> , 2019, 2, 6472-6483.	5.1	9
39	Synthesis of Ag Nanoprisms with Precisely-tuned Localized Surface Plasmon Wavelengths by Sequential Irradiation of Light of Two Different Wavelengths. <i>Chemistry Letters</i> , 2020, 49, 240-243.	1.3	9
40	Fabrication of dense two-dimensional assemblies over vast areas comprising gold(core)-silver(shell) nanoparticles and their surface-enhanced Raman scattering properties. <i>Photochemical and Photobiological Sciences</i> , 2013, 13, 82-91.	2.9	8
41	Extraordinary enhancement of porphyrin photocurrent utilizing plasmonic silver arrays. <i>Nanoscale</i> , 2016, 8, 15467-15472.	5.6	8
42	Structural, mechanical, and electrical properties of carbon nanoparticles synthesized from diesel. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 43-51.	2.1	8
43	Performance Improvement of Triplet-Triplet Annihilation-Based Upconversion Solid Films through Plasmon-Induced Backward Scattering of Periodic Arrays of Ag and Al. <i>Langmuir</i> , 2021, 37, 11508-11519.	3.5	7
44	Heteroleptic ruthenium complexes with 6-(ortho-substituted phenyl)-2,2'-bipyridine derivatives. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 312-319.	1.8	6
45	Development of highly thermoresponsive fluorescent sensors consisting of plasmonic silver nanoprisms and poly(N-isopropylacrylamide)-fluorophore composites. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 870-874.	2.9	6
46	Two-Dimensional Arrays of Au Halfshells with Different Sizes for Plasmon-Induced Charge Separation. <i>ChemistrySelect</i> , 2017, 2, 3744-3749.	1.5	6
47	Refractive index susceptibility of palladium nanoplates with plasmonic resonance in the visible region. <i>Optical Materials Express</i> , 2016, 6, 859.	3.0	5
48	Spontaneous ligand nitrosation and self-assembly into a pentacopper metallacrown complex. <i>Dalton Transactions</i> , 2017, 46, 2760-2764.	3.3	5
49	Fabrication and photocatalytic behavior of titanium oxide-gold nanoparticles composite ultrathin films prepared using surface sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 563-569.	2.4	5
50	Enhanced Photocurrent Generation in Self-Assembled Monolayers Formed at Plasmonic Gold Nanostructures. <i>Macromolecular Symposia</i> , 2008, 270, 171-176.	0.7	4
51	Hybrids of Two-dimensional Colloidal Crystals and Gold Nanoparticle Assemblies for Effective Surface-enhanced Raman Scattering with High Spatial Reproducibility. <i>Chemistry Letters</i> , 2018, 47, 429-432.	1.3	4
52	Facile Phase Transfer of Gold and Au-Core/Ag-Shell Nanoparticles from Aqueous to Toluene Solution Using Alkylamine Molecules and Their Assemblies on Solid Supports. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DH14.	1.5	3
53	Development of Plasmon Resonance Sensing Based on Alkylthiol-Coated Triangular Silver Nanoplates on Glass Plates. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 04CK06.	1.5	3
54	Hole-Transport Materials Containing Triphenylamine Donors with a Spiro[fluorene-9,9'-xanthene] Core for Efficient and Stable Large Area Perovskite Solar Cells (Solar RRL 9 <sup>th</sup> •2017). <i>Solar Rrl</i> , 2017, 1, 1770134.	5.8	3

#	ARTICLE	IF	CITATIONS
55	Fabrication and surface-enhanced Raman scattering properties of two-dimensional gold and silver nanoparticle mixed assemblies by liquid-liquid interfacial precipitation method. <i>Applied Physics Express</i> , 2020, 13, 055001.	2.4	3
56	Combined Use of Anisotropic Silver Nanoprisms with Different Aspect Ratios for Multi-Mode Plasmon-Exciton Coupling. <i>Nanoscale Research Letters</i> , 2020, 15, 15.	5.7	3
57	Simple Fabrication of Two-Dimensional Self-Assemblies Consisting of Gold and Silver Nanoparticles at an Air/Toluene Interface and Their Surface-Enhanced Raman Scattering Activity. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 06FG10.	1.5	2
58	Substituent Effects for Perylenedicarboxylic Anhydrides on the Performance of Dye-sensitized Solar Cells: The Simpler, the Better. <i>Chemistry Letters</i> , 2013, 42, 450-452.	1.3	2
59	Tuning Optical Properties of Two-Dimensional Ordered Arrays of Silica/Gold and Silver Core/Shell Structured Nanoparticles in Near-Infrared Region. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DH04.	1.5	2
60	Simple Fabrication of Two-Dimensional Self-Assemblies Consisting of Gold and Silver Nanoparticles at an Air/Toluene Interface and Their Surface-Enhanced Raman Scattering Activity. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 06FG10.	1.5	2
61	Dye fluorescence enhancement by plasmonic nanostructured gold-titania film composites obtained by the combination of electrodeposition and surface sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 104, 666-672.	2.4	2
62	Electrochemical Modulation of the Optical Property of Polythiophene-Gold Nanorod Composite Films. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 539, 1/[341]-4/[344].	0.9	1
63	Tuning Optical Properties of Two-Dimensional Ordered Arrays of Silica/Gold and Silver Core/Shell Structured Nanoparticles in Near-Infrared Region. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 04DH04.	1.5	1
64	Fabrication and optical property of metal nanowire arrays embedded in anodic porous alumina membrane. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 06GH09.	1.5	1
65	Crystal Structures and Side-arm Dynamics of Cerium-meso-Tetrathienylporphyrin Double-decker Complexes. <i>Chemistry Letters</i> , 2016, 45, 1123-1125.	1.3	1
66	Naphthalimide-Based Fluorescent Dyes: Impact of Extension of $\pi$ -Conjugation and Introduction of an Electron-Donating Moiety on the Photophysical Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1506-1514.	3.2	1
67	Upconverted emission-driven photothermal conversion with gold nanospheres based on triplet-triplet annihilation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18257-18260.	2.8	1
68	A Light-Harvesting/Charge-Separation Model with Energy Gradient Made of Assemblies of meta-Pyridyl Zinc Porphyrins. <i>Chemistry - A European Journal</i> , 2021, 27, 4053-4063.	3.3	1
69	Spontaneous reaction and self-assembly of copper nitrate and cyclic 1,3-dione dioximes into multicopper complexes. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100110.	2.8	1
70	Surface-enhanced Raman scattering properties of Ag nanostructures fabricated by galvanic reaction using nanostructured Al thin films. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 654, 146-150.	0.9	1
71	Facile Phase Transfer of Gold and Au-Core/Ag-Shell Nanoparticles from Aqueous to Toluene Solution Using Alkylamine Molecules and Their Assemblies on Solid Supports. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DH14.	1.5	1
72	Modulation Technique of Localized Surface Plasmon Resonance of Palladium Nanospheres by Coating with Titanium Dioxide Shell for Application to Photothermal Therapy Agent. <i>Nanoscale Research Letters</i> , 2022, 17, .	5.7	1

#	ARTICLE	IF	CITATIONS
73	Enhancement of Raman scattering from single-walled carbon nanotubes on densely-arranged two-dimensional gold nanoparticle assemblies. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 654, 151-156.	0.9	0
74	Enhancement of Porphyrin Photocurrent Based on Plasmonic Cu Light-Harvesting Nanoantenna. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
75	Fluorescence Enhancement and Quenching Properties of Dyes Positioned on Plasmonic Copper Arrays: Comparison with Those on Plasmonic Gold Arrays. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
76	Synthesis and Evaluation of Heat-Resistant Silver-Platinum Alloy Nanoprisms for Application in Cancer Therapy and Imaging. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
77	I-V Characteristics of NiO Nanowire Based Resistive Change Memory. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
78	(Invited) Enhancement of Triplet-Triplet Annihilation-Based Upconversion Emission By Localized Surface Plasmon Resonance. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
79	Synthesis and Function Improvement of Gold Nanorods, Silver Nanoprisms, and Chiral Nanoparticles for Bioapplications. , 2022, , 397-466.		0