

# Kosuke Minami

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,301  
citations

279798

23  
h-index

302126

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Porphyrin-based sensor nanoarchitectonics in diverse physical detection modes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9713.	2.8	319
2	Bioactive nanocarbon assemblies: Nanoarchitectonics and applications. <i>Nano Today</i> , 2014, 9, 378-394.	11.9	236
3	What are the emerging concepts and challenges in NANO? Nanoarchitectonics, hand-operating nanotechnology and mechanobiology. <i>Polymer Journal</i> , 2016, 48, 371-389.	2.7	205
4	Hierarchically Structured Fullerene C <sub>70</sub> Cube for Sensing Volatile Aromatic Solvent Vapors. <i>ACS Nano</i> , 2016, 10, 6631-6637.	14.6	137
5	Highly Ordered 1D Fullerene Crystals for Concurrent Control of Macroscopic Cellular Orientation and Differentiation toward Large-scale Tissue Engineering. <i>Advanced Materials</i> , 2015, 27, 4020-4026.	21.0	119
6	Dimensionally integrated nanoarchitectonics for a novel composite from OD, 1D, and 2D nanomaterials: RGO/CNT/CeO <sub>2</sub> ternary nanocomposites with electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18480-18487.	10.3	118
7	Vortex-Aligned Fullerene Nanowhiskers as a Scaffold for Orienting Cell Growth. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15667-15673.	8.0	112
8	Nanoarchitectonics for carbon-material-based sensors. <i>Analyst</i> , 2016, 141, 2629-2638.	3.5	95
9	Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. <i>ACS Nano</i> , 2016, 10, 8796-8802.	14.6	82
10	Adaptive Liquid Interfacially Assembled Protein Nanosheets for Guiding Mesenchymal Stem Cell Fate. <i>Advanced Materials</i> , 2020, 32, e1905942.	21.0	80
11	Supramolecular 1-D polymerization of DNA origami through a dynamic process at the 2-dimensionally confined air-water interface. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12576-12581.	2.8	70
12	Intentional Closing/Opening of "Hole-in-Cube" Fullerene Crystals with Microscopic Recognition Properties. <i>ACS Nano</i> , 2017, 11, 7790-7796.	14.6	68
13	Developmentally synchronized expression of two <i>Bombyx mori</i> Piwi subfamily genes, SIWI and BmAGO3 in germ-line cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 367, 755-760.	2.1	59
14	Modulation of Mesenchymal Stem Cells Mechanosensing at Fluid Interfaces by Tailored Self-Assembled Protein Monolayers. <i>Small</i> , 2019, 15, e1804640.	10.0	58
15	siRNA delivery targeting to the lung via agglutination-induced accumulation and clearance of cationic tetraamino fullerene. <i>Scientific Reports</i> , 2014, 4, 4916.	3.3	56
16	Conformation Manipulation and Motion of a Double Paddle Molecule on an Au(111) Surface. <i>ACS Nano</i> , 2017, 11, 10357-10365.	14.6	55
17	Suppression of Myogenic Differentiation of Mammalian Cells Caused by Fluidity of a Liquid-Liquid Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30553-30560.	8.0	54
18	Large-Area Aligned Fullerene Nanocrystal Scaffolds as Culture Substrates for Enhancing Mesenchymal Stem Cell Self-Renewal and Multipotency. <i>ACS Applied Nano Materials</i> , 2020, 3, 6497-6506.	5.0	41

#	ARTICLE	IF	CITATIONS
19	Driving nanocars and nanomachines at interfaces: From concept of nanoarchitectonics to actual use in world wide race and hand operation. Japanese Journal of Applied Physics, 2016, 55, 1102A2.	1.5	40
20	Functional Nanoparticles-Coated Nanomechanical Sensor Arrays for Machine Learning-Based Quantitative Odor Analysis. ACS Sensors, 2018, 3, 1592-1600.	7.8	38
21	Protein-coated nanocapsules via multilevel surface modification. Controlled preparation and microscopic analysis at nanometer resolution. Chemical Communications, 2013, 49, 3525.	4.1	25
22	Effects of Center Metals in Porphines on Nanomechanical Gas Sensing. Sensors, 2018, 18, 1640.	3.8	24
23	Discrimination of Methanol from Ethanol in Gasoline Using a Membrane-type Surface Stress Sensor Coated with Copper(I) Complex. Bulletin of the Chemical Society of Japan, 2021, 94, 648-654.	3.2	24
24	Discrimination of structurally similar odorous molecules with various concentrations by using a nanomechanical sensor. Analytical Methods, 2018, 10, 3720-3726.	2.7	23
25	Hierarchical Assembly of siRNA with Tetraamino Fullerene in Physiological Conditions for Efficient Internalization into Cells and Knockdown. ACS Applied Materials & Interfaces, 2018, 10, 19347-19354.	8.0	23
26	In situ 2D-extraction of DNA wheels by 3D through-solution transport. Physical Chemistry Chemical Physics, 2015, 17, 32122-32125.	2.8	21
27	Nanoarchitectonics for fullerene biology. Applied Materials Today, 2021, 23, 100989.	4.3	20
28	Graphene Oxide as a Sensing Material for Gas Detection Based on Nanomechanical Sensors in the Static Mode. Chemosensors, 2020, 8, 82.	3.6	17
29	DNA Binding of Pentaamino[60]fullerene Synthesized Using Click Chemistry. Chemistry Letters, 2015, 44, 378-380.	1.3	14
30	Pattern recognition of solid materials by multiple probe gases. Materials Horizons, 2019, 6, 580-586.	12.2	11
31	Determination of quasi-primary odors by endpoint detection. Scientific Reports, 2021, 11, 12070.	3.3	11
32	Autonomous Nanoscale Chemomechanical Oscillation on the Self-Oscillating Polymer Brush Surface by Precise Control of Graft Density. Langmuir, 2021, 37, 4380-4386.	3.5	10
33	Finite Element Analysis of Interface Dependence on Nanomechanical Sensing. Sensors, 2020, 20, 1518.	3.8	9
34	Sorption-induced static mode nanomechanical sensing with viscoelastic receptor layers for multistep injection-purge cycles. Journal of Applied Physics, 2021, 129, .	2.5	9
35	Effects of partial attachment at the interface between receptor and substrate on nanomechanical cantilever sensing. Sensors and Actuators A: Physical, 2021, 319, 112533.	4.1	6
36	Statistical Evaluation of Total Expiratory Breath Samples Collected throughout a Year: Reproducibility and Applicability toward Olfactory Sensor-Based Breath Diagnostics. Sensors, 2021, 21, 4742.	3.8	5

#	ARTICLE	IF	CITATIONS
37	Membrane-type Surface stress Sensor (MSS) for artificial olfactory system. , 2019, , 27-38.		2
38	Nanomechanical Sensors (MSS/AMA) for Odor/Mass Analyses. Journal of the Mass Spectrometry Society of Japan, 2018, 66, 25-29.	0.1	1
39	Membrane-type Surface Stress Sensor (MSS) for Artificial Olfaction. , 2019, , .		1
40	Nanomechanical Sensors for Gas Detection towards Artificial Olfaction. Biosensors, 2022, 12, 256.	4.7	1
41	Identification of gas species and their concentrations by using sorption kinetics of viscoelastic film. , 2022, , .		1
42	Nanomechanical sensors with AI towards standard olfactory IoT sensing system. , 2018, , .		0
43	Drug Safety Monitoring for Liposomal Amphotericin B. , 2016, , 249-255.		0