

Kosuke Minami

List of Publications by Year in descending order

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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	Nanomechanical Sensors for Gas Detection towards Artificial Olfaction. <i>Biosensors</i> , 2022, 12, 256.	4.7	1
2	Identification of gas species and their concentrations by using sorption kinetics of viscoelastic film. , 2022, , .		1
3	Discrimination of Methanol from Ethanol in Gasoline Using a Membrane-type Surface Stress Sensor Coated with Copper(I) Complex. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 648-654.	3.2	24
4	Sorption-induced static mode nanomechanical sensing with viscoelastic receptor layers for multistep injection-purge cycles. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	9
5	Effects of partial attachment at the interface between receptor and substrate on nanomechanical cantilever sensing. <i>Sensors and Actuators A: Physical</i> , 2021, 319, 112533.	4.1	6
6	Autonomous Nanoscale Chemomechanical Oscillation on the Self-Oscillating Polymer Brush Surface by Precise Control of Graft Density. <i>Langmuir</i> , 2021, 37, 4380-4386.	3.5	10
7	Determination of quasi-primary odors by endpoint detection. <i>Scientific Reports</i> , 2021, 11, 12070.	3.3	11
8	Nanoarchitectonics for fullerene biology. <i>Applied Materials Today</i> , 2021, 23, 100989.	4.3	20
9	Statistical Evaluation of Total Expiratory Breath Samples Collected throughout a Year: Reproducibility and Applicability toward Olfactory Sensor-Based Breath Diagnostics. <i>Sensors</i> , 2021, 21, 4742.	3.8	5
10	Adaptive Liquid Interfacially Assembled Protein Nanosheets for Guiding Mesenchymal Stem Cell Fate. <i>Advanced Materials</i> , 2020, 32, e1905942.	21.0	80
11	Graphene Oxide as a Sensing Material for Gas Detection Based on Nanomechanical Sensors in the Static Mode. <i>Chemosensors</i> , 2020, 8, 82.	3.6	17
12	Finite Element Analysis of Interface Dependence on Nanomechanical Sensing. <i>Sensors</i> , 2020, 20, 1518.	3.8	9
13	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
14	Membrane-type Surface stress Sensor (MSS) for artificial olfactory system. , 2019, , 27-38.		2
15	Membrane-type Surface Stress Sensor (MSS) for Artificial Olfaction. , 2019, , .		1
16	Pattern recognition of solid materials by multiple probe gases. <i>Materials Horizons</i> , 2019, 6, 580-586.	12.2	11
17	Modulation of Mesenchymal Stem Cells Mechanosensing at Fluid Interfaces by Tailored Self-Assembled Protein Monolayers. <i>Small</i> , 2019, 15, e1804640.	10.0	58
18	Nanomechanical Sensors (MSS/AMA) for Odor/Mass Analyses. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2018, 66, 25-29.	0.1	1

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19	Nanomechanical sensors with AI towards standard olfactory IoT sensing system. , 2018, , .		0
20	Discrimination of structurally similar odorous molecules with various concentrations by using a nanomechanical sensor. Analytical Methods, 2018, 10, 3720-3726.	2.7	23
21	Effects of Center Metals in Porphines on Nanomechanical Gas Sensing. Sensors, 2018, 18, 1640.	3.8	24
22	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
23	Functional Nanoparticles-Coated Nanomechanical Sensor Arrays for Machine Learning-Based Quantitative Odor Analysis. ACS Sensors, 2018, 3, 1592-1600.	7.8	38
24	Suppression of Myogenic Differentiation of Mammalian Cells Caused by Fluidity of a Liquidâ€“Liquid Interface. ACS Applied Materials & Interfaces, 2017, 9, 30553-30560.	8.0	54
25	Conformation Manipulation and Motion of a Double Paddle Molecule on an Au(111) Surface. ACS Nano, 2017, 11, 10357-10365.	14.6	55
26	Intentional Closing/Opening of â€œHole-in-Cubeâ€“Fullerene Crystals with Microscopic Recognition Properties. ACS Nano, 2017, 11, 7790-7796.	14.6	68
27	Supramolecular 1-D polymerization of DNA origami through a dynamic process at the 2-dimensionally confined airâ€“water interface. Physical Chemistry Chemical Physics, 2016, 18, 12576-12581.	2.8	70
28	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
29	Supramolecular Differentiation for Construction of Anisotropic Fullerene Nanostructures by Time-Programmed Control of Interfacial Growth. ACS Nano, 2016, 10, 8796-8802.	14.6	82
30	Hierarchically Structured Fullerene C ₇₀ Cube for Sensing Volatile Aromatic Solvent Vapors. ACS Nano, 2016, 10, 6631-6637.	14.6	137
31	What are the emerging concepts and challenges in NANO? Nanoarchitectonics, hand-operating nanotechnology and mechanobiology. Polymer Journal, 2016, 48, 371-389.	2.7	205
32	Nanoarchitectonics for carbon-material-based sensors. Analyst, The, 2016, 141, 2629-2638.	3.5	95
33	Drug Safety Monitoring for Liposomal Amphotericin B. , 2016, , 249-255.		0
34	DNA Binding of Pentaamino[60]fullerene Synthesized Using Click Chemistry. Chemistry Letters, 2015, 44, 378-380.	1.3	14
35	Highly Ordered 1D Fullerene Crystals for Concurrent Control of Macroscopic Cellular Orientation and Differentiation toward Largeâ€“scale Tissue Engineering. Advanced Materials, 2015, 27, 4020-4026.	21.0	119
36	Vortex-Aligned Fullerene Nanowhiskers as a Scaffold for Orienting Cell Growth. ACS Applied Materials & Interfaces, 2015, 7, 15667-15673.	8.0	112

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37	In situ 2D-extraction of DNA wheels by 3D through-solution transport. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32122-32125.	2.8	21
38	Dimensionally integrated nanoarchitectonics for a novel composite from 0D, 1D, and 2D nanomaterials: RGO/CNT/CeO ₂ ternary nanocomposites with electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18480-18487.	10.3	118
39	Porphyrin-based sensor nanoarchitectonics in diverse physical detection modes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9713.	2.8	319
40	Bioactive nanocarbon assemblies: Nanoarchitectonics and applications. <i>Nano Today</i> , 2014, 9, 378-394.	11.9	236
41	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
42	Protein-coated nanocapsules via multilevel surface modification. Controlled preparation and microscopic analysis at nanometer resolution. <i>Chemical Communications</i> , 2013, 49, 3525.	4.1	25
43	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