

Yuki Komoto

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

501
citations

1040056

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h-index

794594

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g-index

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all docs

19
docs citations

19
times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	Rectifying Electron-Transport Properties through Stacks of Aromatic Molecules Inserted into a Self-Assembled Cage. <i>Journal of the American Chemical Society</i> , 2015, 137, 5939-5947.	13.7	126
2	Single-molecule junctions for molecular electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8842-8858.	5.5	88
3	Site-Selection in Single-Molecule Junction for Highly Reproducible Molecular Electronics. <i>Journal of the American Chemical Society</i> , 2016, 138, 1294-1300.	13.7	88
4	Resolving metal-molecule interfaces at single-molecule junctions. <i>Scientific Reports</i> , 2016, 6, 26606.	3.3	55
5	High-Precision Single-Molecule Identification Based on Single-Molecule Information within a Noisy Matrix. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15867-15873.	3.1	33
6	Evaluation of the Electronic Structure of Single-Molecule Junctions Based on Current-Voltage and Thermopower Measurements: Application to C ₆₀ Single-Molecule Junction. <i>Chemistry - an Asian Journal</i> , 2017, 12, 440-445.	3.3	19
7	Time-resolved neurotransmitter detection in mouse brain tissue using an artificial intelligence-nanogap. <i>Scientific Reports</i> , 2020, 10, 11244.	3.3	18
8	Rapid Discrimination of Extracellular Vesicles by Shape Distribution Analysis. <i>Analytical Chemistry</i> , 2021, 93, 7037-7044.	6.5	15
9	High electronic couplings of single mesitylene molecular junctions. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2431-2437.	2.8	10
10	Single-Molecule Counting of Nucleotide by Electrophoresis with Nanochannel-Integrated Nano-Gap Devices. <i>Micromachines</i> , 2020, 11, 982.	2.9	9
11	Detection of an alcohol-associated cancer marker by single-molecule quantum sequencing. <i>Chemical Communications</i> , 2020, 56, 14299-14302.	4.1	8
12	Dissecting Time-Evolved Conductance Behavior of Single Molecule Junctions by Nonparametric Machine Learning. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6567-6572.	4.6	7
13	Length Discrimination of Homo-oligomeric Nucleic Acids with Single-molecule Measurement. <i>Analytical Sciences</i> , 2021, 37, 513-517.	1.6	7
14	Development of Single-Molecule Electrical Identification Method for Cyclic Adenosine Monophosphate Signaling Pathway. <i>Nanomaterials</i> , 2021, 11, 784.	4.1	5
15	Dependence of Molecular Diode Behaviors on Aromaticity. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6359-6366.	4.6	5
16	Single-Molecule Classification of Aspartic Acid and Leucine by Molecular Recognition through Hydrogen Bonding and Time-Series Analysis. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	4
17	Key aurophilic motif for robust quantum-tunneling-based characterization of a nucleoside analogue marker. <i>Chemical Science</i> , 2020, 11, 10135-10142.	7.4	2
18	Thermally activated charge transport in carbon atom chains. <i>Nanoscale</i> , 2020, 12, 11001-11007.	5.6	1