

Nuri Oncel

List of Publications by Year in descending order

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39
papers

731
citations

471371
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526166
27
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39
all docs

39
docs citations

39
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Confinement between Self-Organized Pt Nanowires on Ge(001). <i>Physical Review Letters</i> , 2005, 95, 116801.	2.9	98
2	In Situ Synthesis of Graphene-Coated Silicon Monoxide Anodes from Coal-Derived Humic Acid for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101645.	7.8	65
3	Peierls instability in Pt chains on Ge(001). <i>Surface Science</i> , 2008, 602, 1731-1735.	0.8	53
4	Hydrogen-Bonding versus van der Waals Interactions in Self-Assembled Monolayers of Substituted Isophthalic Acids. <i>Langmuir</i> , 2010, 26, 18155-18161.	1.6	40
5	Inelastic Electron Tunneling Spectroscopy on Decanethiol at Elevated Temperatures. <i>Nano Letters</i> , 2004, 4, 2393-2395.	4.5	39
6	One-pot synthesis of graphene quantum dots using humic acid and its application for copper (II) ion detection. <i>Journal of Materials Science</i> , 2021, 56, 4991-5005.	1.7	37
7	Synthesis of Highly Near-Infrared Fluorescent Graphene Quantum Dots Using Biomass-Derived Materials for <i>In Vitro</i> Cell Imaging and Metal Ion Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43952-43962.	4.0	34
8	Atomic chains on surfaces. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 393001.	0.7	32
9	Electronically stabilized nanowire growth. <i>Nature Communications</i> , 2013, 4, 2387.	5.8	32
10	Spatial Mapping of the Electronic States of a One-Dimensional System. <i>Nano Letters</i> , 2006, 6, 1439-1442.	4.5	27
11	Intercalation of Si between MoS ₂ layers. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1952-1960.	1.5	27
12	Structural Evolution of Organic Matter in Deep Shales by Spectroscopy (¹ H and ¹³ C) ETQq0 0 0 rgBT /Overlock 10 Tf 50 307	2.5	25
13	Room-Temperature Single-Electron Tunneling in Dendrimer-Stabilized Gold Nanoparticles Anchored at a Molecular Printboard. <i>Small</i> , 2006, 2, 1422-1426.	5.2	24
14	Noble Metal Nanoparticles Deposited on Self-Assembled Monolayers by Pulsed Laser Deposition Show Coulomb Blockade at Room Temperature. <i>Small</i> , 2005, 1, 395-398.	5.2	22
15	Effects of organic film morphology on the formation of Rb clusters on surface coatings in alkali metal vapor cells. <i>Applied Physics Letters</i> , 2009, 94, 041116.	1.5	20
16	Diffusion and binding of CO on Pt nanowires. <i>Surface Science</i> , 2006, 600, 4690-4693.	0.8	19
17	The effect of molecule-molecule and molecule-substrate interaction in the formation of Pt-octaethyl porphyrin self-assembled monolayers. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	19
18	Coulomb blockade of small Pd clusters. <i>Journal of Chemical Physics</i> , 2005, 123, 044703.	1.2	16

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19	5-(Octadecyloxy) Isophthalic Acid-Assisted Copper(II) <i>meso</i> -Tetra (4-Carboxyphenyl) Porphyrin Adsorption on Highly Ordered Pyrolytic Graphite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14983-14985.	1.5	10
20	Photoexcited Electron Lifetimes Influenced by Momentum Dispersion in Silicon Nanowires. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7457-7466.	1.5	9
21	Ni(II)- and Vanadyl-octaethylporphyrin Self-Assembled Layers Formed on Bare and 5-(Octadecyloxy)isophthalic Acid Covered Graphite. <i>Langmuir</i> , 2009, 25, 9290-9295.	1.6	8
22	Iridium silicide nanowires on Si(001) surfaces. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 014010.	0.7	8
23	On the structural and electronic properties of Ir-silicide nanowires on Si(001) surface. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	8
24	Scanning tunneling microscopy/spectroscopy measurements and density functional theory calculations on self-assembled monolayer of octanoic acid on graphite. <i>Thin Solid Films</i> , 2017, 623, 135-137.	0.8	8
25	First-principles study of electron dynamics with explicit treatment of momentum dispersion on Si nanowires along different directions. <i>Molecular Physics</i> , 2019, 117, 2293-2302.	0.8	7
26	First-Principles Study of Charge Carrier Dynamics with Explicit Treatment of Momentum Dispersion on Si Nanowires along $\langle 111 \rangle$; crystallographic Directions. <i>MRS Advances</i> , 2018, 3, 3477-3482.	0.5	6
27	Iridium-modified Si(111) surface. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 445004.	0.7	5
28	Adsorption of Formic Acid on CH ₃ NH ₃ PbI ₃ Lead-Halide Organic-Inorganic Perovskites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22873-22886.	1.5	5
29	Higher-Order Complexity through R-Group Effects in Self-Assembled Tripeptide Monolayers. <i>Langmuir</i> , 2010, 26, 16287-16290.	1.6	4
30	Iridium-silicide nanowires on Si(110) surface. <i>Surface Science</i> , 2015, 641, 237-241.	0.8	4
31	Scanning Tunneling Microscopy and Density Functional Theory Study on Zinc(II)-Phthalocyanine Tetrasulfonic Acid on Bilayer Epitaxial Graphene on Silicon Carbide(0001). <i>Journal of Physical Chemistry C</i> , 2015, 119, 9845-9850.	1.5	4
32	Metal induced gap states on Pt-modified Ge(001) surfaces. <i>New Journal of Physics</i> , 2007, 9, 449-449.	1.2	3
33	Angle-resolved synchrotron photoemission and density functional theory on the iridium modified Si(111) surface. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 285501.	0.7	3
34	Silicene-Like Domains on IrSi ₃ Crystallites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7225-7229.	1.5	3
35	A scanning tunneling microscopy study on self-assembled Fe(III) <i>meso</i> -tetra(4-carboxyphenyl) porphyrin chloride chains. <i>Thin Solid Films</i> , 2013, 534, 308-311.	0.8	2
36	Time-resolved Optical Properties of SiNW Oriented in $\langle 111 \rangle$; Crystallographic Direction. <i>MRS Advances</i> , 2019, 4, 2009-2014.	0.5	2

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37	Study of iridium silicide monolayers using density functional theory. Journal of Applied Physics, 2018, 123, 074301.	1.1	1
38	Coulomb blockade and negative differential resistance at room temperature: Self-assembled quantum dots on Si (110) surface. Surface Science, 2018, 677, 12-17.	0.8	1
39	CrSi ₂ crystallites on Si(110). Surface Science, 2021, 703, 121739.	0.8	1