

Nuri Oncel

List of Publications by Year in descending order

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39
papers

731
citations

535685

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591227

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times ranked

955
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	CrSi ₂ crystallites on Si(110). <i>Surface Science</i> , 2021, 703, 121739.	0.8	1
3	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
4	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
5	Structural Evolution of Organic Matter in Deep Shales by Spectroscopy (¹ H and ¹³ C) and T ₂ ρ. <i>Energy & Fuels</i> , 2021, 35, 1010-1020.	2.5	25
6	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
7	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
8	Photoexcited Electron Lifetimes Influenced by Momentum Dispersion in Silicon Nanowires. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7457-7466.	1.5	9
9	Silicene-Like Domains on IrSi ₃ Crystallites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7225-7229.	1.5	3
10	Time-resolved Optical Properties of SiNW Oriented in $\langle 111 \rangle$ Crystallographic Direction. <i>MRS Advances</i> , 2019, 4, 2009-2014.	0.5	2
11	Study of iridium silicide monolayers using density functional theory. <i>Journal of Applied Physics</i> , 2018, 123, 074301.	1.1	1
12	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
13	Coulomb blockade and negative differential resistance at room temperature: Self-assembled quantum dots on Si (110) surface. <i>Surface Science</i> , 2018, 677, 12-17.	0.8	1
14	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
15	Intercalation of Si between MoS ₂ layers. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1952-1960.	1.5	27
16	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
17	Iridium-silicide nanowires on Si(110) surface. <i>Surface Science</i> , 2015, 641, 237-241.	0.8	4
18	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

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19	Angle-resolved synchrotron photoemission and density functional theory on the iridium modified Si(111) surface. Journal of Physics Condensed Matter, 2014, 26, 285501.	0.7	3
20	Electronically stabilized nanowire growth. Nature Communications, 2013, 4, 2387.	5.8	32
21	A scanning tunneling microscopy study on self-assembled Fe(III) meso-tetra(4-carboxyphenyl) porphyrin chloride chains. Thin Solid Films, 2013, 534, 308-311.	0.8	2
22	Iridium silicide nanowires on Si(001) surfaces. Journal of Physics Condensed Matter, 2013, 25, 014010.	0.7	8
23	Iridium-modified Si(111) surface. Journal of Physics Condensed Matter, 2013, 25, 445004.	0.7	5
24	5-(Octadecyloxy) Isophthalic Acid-Assisted Copper(II) <i>meso</i> -Tetra (4-Carboxyphenyl) Porphyrin Adsorption on Highly Ordered Pyrolytic Graphite. Journal of Physical Chemistry C, 2010, 114, 14983-14985.	1.5	10
25	Hydrogen-Bonding versus van der Waals Interactions in Self-Assembled Monolayers of Substituted Isophthalic Acids. Langmuir, 2010, 26, 18155-18161.	1.6	40
26	Higher-Order Complexity through R-Group Effects in Self-Assembled Tripeptide Monolayers. Langmuir, 2010, 26, 16287-16290.	1.6	4
27	Effects of organic film morphology on the formation of Rb clusters on surface coatings in alkali metal vapor cells. Applied Physics Letters, 2009, 94, 041116.	1.5	20
28	Ni(II)- and Vanadyl-octaethylporphyrin Self-Assembled Layers Formed on Bare and 5-(Octadecyloxy)isophthalic Acid Covered Graphite. Langmuir, 2009, 25, 9290-9295.	1.6	8
29	Peierls instability in Pt chains on Ge(001). Surface Science, 2008, 602, 1731-1735.	0.8	53
30	Atomic chains on surfaces. Journal of Physics Condensed Matter, 2008, 20, 393001.	0.7	32
31	The effect of molecule-molecule and molecule-substrate interaction in the formation of Pt-octaethyl porphyrin self-assembled monolayers. Applied Physics Letters, 2008, 92, .	1.5	19
32	Metal induced gap states on Pt-modified Ge(001) surfaces. New Journal of Physics, 2007, 9, 449-449.	1.2	3
33	Spatial Mapping of the Electronic States of a One-Dimensional System. Nano Letters, 2006, 6, 1439-1442.	4.5	27
34	Room-Temperature Single-Electron Tunneling in Dendrimer-Stabilized Gold Nanoparticles Anchored at a Molecular Printboard. Small, 2006, 2, 1422-1426.	5.2	24
35	Diffusion and binding of CO on Pt nanowires. Surface Science, 2006, 600, 4690-4693.	0.8	19
36	Noble Metal Nanoparticles Deposited on Self-Assembled Monolayers by Pulsed Laser Deposition Show Coulomb Blockade at Room Temperature. Small, 2005, 1, 395-398.	5.2	22

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37	Quantum Confinement between Self-Organized Pt Nanowires on Ge(001). Physical Review Letters, 2005, 95, 116801.	2.9	98
38	Coulomb blockade of small Pd clusters. Journal of Chemical Physics, 2005, 123, 044703.	1.2	16
39	Inelastic Electron Tunneling Spectroscopy on Decanethiol at Elevated Temperatures. Nano Letters, 2004, 4, 2393-2395.	4.5	39