

Nuri Oncel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39 papers	556 citations	14 h-index	22 g-index
39 ext. papers	654 ext. citations	4.5 avg, IF	3.65 L-index

#	Paper	IF	Citations
39	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	15.6	9
38	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	4.3	10
37	CrSi ₂ crystallites on Si(110). <i>Surface Science</i> , 2021 , 703, 121739	1.8	
36	Synthesis of Highly Near-Infrared Fluorescent Graphene Quantum Dots Using Biomass-Derived Materials for Cell Imaging and Metal Ion Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43952-43962	9.5	8
35	Structural Evolution of Organic Matter in Deep Shales by Spectroscopy (1H and 13C Nuclear Magnetic Resonance, X-ray Photoelectron Spectroscopy, and Fourier Transform Infrared) Analysis. <i>Energy & Fuels</i> , 2020 , 34, 2807-2815	4.1	14
34	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	1.7	6
33	Photoexcited Electron Lifetimes Influenced by Momentum Dispersion in Silicon Nanowires. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 7457-7466	3.8	8
32	Silicene-Like Domains on IrSi ₃ Crystallites. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 7225-7229	3.8	3
31	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	3.8	3
30	Time-resolved Optical Properties of SiNW Oriented in Crystallographic Direction. <i>MRS Advances</i> , 2019 , 4, 2009-2014	0.7	2
29	Study of iridium silicide monolayers using density functional theory. <i>Journal of Applied Physics</i> , 2018 , 123, 074301	2.5	0
28	First-Principles Study of Charge Carrier Dynamics with Explicit Treatment of Momentum Dispersion on Si Nanowires along crystallographic Directions. <i>MRS Advances</i> , 2018 , 3, 3477-3482	0.7	6
27	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	1.8	1
26	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	1.3	5
25	Intercalation of Si between MoS layers. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1952-1960	3	20
24	On the structural and electronic properties of Ir-silicide nanowires on Si(001) surface. <i>Journal of Applied Physics</i> , 2016 , 120, 095303	2.5	8
23	Iridium silicide nanowires on Si(110) surface. <i>Surface Science</i> , 2015 , 641, 237-241	1.8	4

22	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	3.8	4
21	Angle-resolved synchrotron photoemission and density functional theory on the iridium modified Si(1 1 1) surface. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 285501	1.8	3
20	Electronically stabilized nanowire growth. <i>Nature Communications</i> , 2013 , 4, 2387	17.4	28
19	A scanning tunneling microscopy study on self-assembled Fe(III) meso-tetra(4-carboxyphenyl) porphyrin chloride chains. <i>Thin Solid Films</i> , 2013 , 534, 308-311	2.2	2
18	Iridium silicide nanowires on Si(001) surfaces. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 014010	1.8	7
17	Iridium-modified Si(111) surface. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 445004	1.8	5
16	5-(Octadecyloxy) Isophthalic Acid-Assisted Copper(II) meso-Tetra (4-Carboxyphenyl) Porphyrin Adsorption on Highly Ordered Pyrolytic Graphite. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14983-14985 ^{3,8}	3.8	8
15	Hydrogen-bonding versus van der Waals interactions in self-assembled monolayers of substituted isophthalic acids. <i>Langmuir</i> , 2010 , 26, 18155-61	4	35
14	Higher-order complexity through R-group effects in self-assembled tripeptide monolayers. <i>Langmuir</i> , 2010 , 26, 16287-90	4	4
13	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	3.4	14
12	Ni(II)- and vanadyl octaethylporphyrin self-assembled layers formed on bare and 5-(octadecyloxy)isophthalic acid covered graphite. <i>Langmuir</i> , 2009 , 25, 9290-5	4	8
11	Atomic chains on surfaces. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 393001	1.8	27
10	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, 133305	3.4	19
9	Peierls instability in Pt chains on Ge(001). <i>Surface Science</i> , 2008 , 602, 1731-1735	1.8	49
8	Metal induced gap states on Pt-modified Ge(001) surfaces. <i>New Journal of Physics</i> , 2007 , 9, 449-449	2.9	3
7	Spatial mapping of the electronic states of a one-dimensional system. <i>Nano Letters</i> , 2006 , 6, 1439-42	11.5	27
6	Room-temperature single-electron tunneling in dendrimer-stabilized gold nanoparticles anchored at a molecular printboard. <i>Small</i> , 2006 , 2, 1422-6	11	23
5	Diffusion and binding of CO on Pt nanowires. <i>Surface Science</i> , 2006 , 600, 4690-4693	1.8	17

4	Coulomb blockade of small Pd clusters. <i>Journal of Chemical Physics</i> , 2005 , 123, 044703	3.9	14
3	Noble metal nanoparticles deposited on self-assembled monolayers by pulsed laser deposition show coulomb blockade at room temperature. <i>Small</i> , 2005 , 1, 395-8	11	22
2	Quantum confinement between self-organized Pt nanowires on Ge(001). <i>Physical Review Letters</i> , 2005 , 95, 116801	7.4	94
1	Inelastic Electron Tunneling Spectroscopy on Decanethiol at Elevated Temperatures. <i>Nano Letters</i> , 2004 , 4, 2393-2395	11.5	36