

Martin Ondráček

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6610507/publications.pdf>

Version: 2024-02-01

40
papers

1,141
citations

361413

20
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

1721
citing authors

#	ARTICLE	IF	CITATIONS
1	On-Surface Synthesis and Characterization of [7]Triangulene Quantum Ring. <i>Nano Letters</i> , 2021, 21, 861-867.	9.1	59
2	On-Surface Synthesis of Polyferrocenylene and its Single-Chain Conformational and Electrical Transport Properties. <i>Advanced Functional Materials</i> , 2021, 31, 2006391.	14.9	7
3	1D Coordination- and Conjugated Polymers with Distinct Structures Defined by the Choice of the Transition Metal: Towards a New Class of Antiaromatic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 439-445.	13.8	23
4	1D Coordination- and Conjugated Polymers with Distinct Structures Defined by the Choice of the Transition Metal: Towards a New Class of Antiaromatic Macrocycles. <i>Angewandte Chemie</i> , 2021, 133, 443-449.	2.0	0
5	Force Spectroscopy of Iron Tetraphenylporphyrin Molecules with Cl Tips. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26889-26896.	3.1	3
6	Quantum dissipation driven by electron transfer within a single molecule investigated with atomic force microscopy. <i>Nature Communications</i> , 2020, 11, 1337.	12.8	18
7	On-Surface Synthesis of Gold Porphyrin Derivatives via a Cascade of Chemical Interactions: Planarization, Self-Metalation, and Intermolecular Coupling. <i>Chemistry of Materials</i> , 2019, 31, 3248-3256.	6.7	37
8	Silicene-terminated surface of calcium and strontium disilicides: properties and comparison with bulk structures by computational methods. <i>Philosophical Magazine</i> , 2018, 98, 1131-1150.	1.6	4
9	Weakly perturbative imaging of interfacial water with submolecular resolution by atomic force microscopy. <i>Nature Communications</i> , 2018, 9, 122.	12.8	105
10	Imaging Charge Distribution Within Molecules by Scanning Probe Microscopy. <i>Springer Series in Surface Sciences</i> , 2018, , 499-518.	0.3	2
11	Principles and simulations of high-resolution STM imaging with a flexible tip apex. <i>Physical Review B</i> , 2017, 95, .	3.2	76
12	Electronegativity determination of individual surface atoms by atomic force microscopy. <i>Nature Communications</i> , 2017, 8, 15155.	12.8	46
13	Mapping the electrostatic force field of single molecules from high-resolution scanning probe images. <i>Nature Communications</i> , 2016, 7, 11560.	12.8	95
14	Charge-state dynamics in electrostatic force spectroscopy. <i>Nanotechnology</i> , 2016, 27, 274005.	2.6	8
15	Charge Redistribution and Transport in Molecular Contacts. <i>Physical Review Letters</i> , 2015, 115, 136101.	7.8	22
16	Probing Charges on the Atomic Scale by Means of Atomic Force Microscopy. <i>Physical Review Letters</i> , 2015, 115, 076101.	7.8	56
17	Chemical structure imaging of a single molecule by atomic force microscopy at room temperature. <i>Nature Communications</i> , 2015, 6, 7766.	12.8	81
18	Electronic and Chemical Properties of Donor, Acceptor Centers in Graphene. <i>ACS Nano</i> , 2015, 9, 9180-9187.	14.6	36

#	ARTICLE	IF	CITATIONS
19	Initial and secondary oxidation products on the Si(111)-(7 \times 7) surface identified by atomic force microscopy and first principles calculations. Applied Physics Letters, 2014, 104, 133107.	3.3	9
20	Achieving High-Quality Single-Atom Nitrogen Doping of Graphene/SiC(0001) by Ion Implantation and Subsequent Thermal Stabilization. ACS Nano, 2014, 8, 7318-7324.	14.6	81
21	Role of Tip Chemical Reactivity on Atom Manipulation Process in Dynamic Force Microscopy. ACS Nano, 2013, 7, 7370-7376.	14.6	35
22	Quantum Degeneracy in Atomic Point Contacts Revealed by Chemical Force and Conductance. Physical Review Letters, 2013, 111, 106803.	7.8	23
23	Atomic Structure Affects the Directional Dependence of Friction. Physical Review Letters, 2013, 111, 126103.	7.8	40
24	Room Temperature Discrimination of Adsorbed Molecules and Attachment Sites on the Si(111)-7 \times 7 Surface Using a qPlus Sensor. ACS Nano, 2013, 7, 2686-2692.	14.6	9
25	Emergence of state at Fermi level due to the formation of In-Sn heterodimers on Si(100)- $\sqrt{3}\times\sqrt{3}$ reconstruction. Physical Review B, 2013, 88, 041404.	3.2	9
26	Force mapping on a partially H-covered Si(111)-(7 \times 7) surface. Physical Review B, 2013, 87, 041404.	3.2	38
27	Stability, interaction and influence of domain boundaries in Ge/Si(111)- $\sqrt{3}\times\sqrt{3}$. Journal of Physics Condensed Matter, 2012, 24, 445003.	1.8	3
28	Relation between the chemical force and the tunnelling current in atomic point contacts: a simple model. Journal of Physics Condensed Matter, 2012, 24, 084001.	1.8	12
29	Reversal of atomic contrast in scanning probe microscopy on (111) metal surfaces. Journal of Physics Condensed Matter, 2012, 24, 084003.	1.8	15
30	Chemical Identification of Single Atoms in Heterogeneous III-V Chains on Si(100) Surface by Means of nc-AFM and DFT Calculations. ACS Nano, 2012, 6, 6969-6976.	14.6	35
31	Forces and Currents in Carbon Nanostructures: Are We Imaging Atoms?. Physical Review Letters, 2011, 106, 176101.	7.8	81
32	Sub-atomic resolution of non-contact atomic force microscope images induced by a heterogeneous tip structure: a density functional theory study. Nanotechnology, 2011, 22, 295710.	2.6	26
33	Exchange Interactions in the Bcc Fe/TaW(001) System. E-Journal of Surface Science and Nanotechnology, 2010, 8, 157-160.	0.4	0
34	Magnetic phase stability of monolayers: Fe on a TaW(1-x)(001) random alloy as a case study. Physical Review B, 2010, 81, .	3.2	8
35	Disorder-Induced Antiferromagnetic to Ferromagnetic Transition in Magnetic Overlayers: (Fe,Mn)/W(001) as a Case Study. E-Journal of Surface Science and Nanotechnology, 2010, 8, 184-189.	0.4	0
36	Large magnetic anisotropy and tunneling anisotropic magnetoresistance in layered bimetallic nanostructures: Case study of Mn/W(001). Physical Review B, 2008, 78, .	3.2	21

#	ARTICLE	IF	CITATIONS
37	Magnetism of 3dtransition metal atoms on W(001): submonolayer films. Journal of Physics: Conference Series, 2007, 61, 894-898.	0.4	1
38	Magnetic order of FeMn alloy on the W(001) surface. Surface Science, 2007, 601, 4261-4264.	1.9	5
39	Surface resonance on the NiFe(001) alloy surface. European Physical Journal D, 2006, 56, 69-74.	0.4	4
40	Chemical ordering and composition fluctuations at the (001) surface of theFe64Ni36Invar alloy. Physical Review B, 2006, 74, .	3.2	8