Antonio Politano

List of Publications by Year
in descending order

158 papers	5,521 citations	81900 39 h-index	106344 65 g-index
159 all docs	159 docs citations	159 times ranked	5994 citing authors

#	Article	IF	Citations
1	Photothermal Membrane Distillation for Seawater Desalination. Advanced Materials, 2017, 29, 1603504.	21.0	422
2	Black Phosphorus Terahertz Photodetectors. Advanced Materials, 2015, 27, 5567-5572.	21.0	269
3	Plasmon modes in graphene: status and prospect. Nanoscale, 2014, 6, 10927-10940.	5.6	161
4	Electronic and geometric corrugation of periodically rippled, self-nanostructured graphene epitaxially grown on Ru(0001). New Journal of Physics, 2010, 12, 093018.	2.9	133
5	Plasma-Wave Terahertz Detection Mediated by Topological Insulators Surface States. Nano Letters, 2016, 16, 80-87.	9.1	131
6	Probing the Youngâ€™s modulus and Poissonâ€™s ratio in graphene/metal interfaces and graphite: a comparative study. Nano Research, 2015, 8, 1847-1856.	10.4	130
7	Efficient Terahertz detection in black-phosphorus nano-transistors with selective and controllable plasma-wave, bolometric and thermoelectric response. Scientific Reports, 2016, 6, 20474.	3.3	117
8	Overcoming temperature polarization in membrane distillation by thermoplasmonic effects activated by Ag nanofillers in polymeric membranes. Desalination, 2019, 451, 192-199.	8.2	104
9	Evidence for acoustic-like plasmons on epitaxial graphene on Pt(111). Physical Review B, 2011, 84, .	3.2	99
10	3D Dirac Plasmons in the Type-II Dirac Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>PtTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review Letters, 2018, 121, 086804.	7.8	95
11	Optoelectronic devices, plasmonics, and photonics with topological insulators. APL Materials, 2017, 5, .	5.1	93
12	The influence of chemical reactivity of surface defects on ambient-stable InSe-based nanodevices. Nanoscale, 2016, 8, 8474-8479.	5.6	92
13	Elastic properties of a macroscopic graphene sample from phonon dispersion measurements. Carbon, 2012, 50, 4903-4910.	10.3	91
14	Liquidâ€Phase Exfoliated Indiumâ€“Selenide Flakes and Their Application in Hydrogen Evolution Reaction. Small, 2018, 14, e1800749.	10.0	90
15	Interplay of Surface and Dirac Plasmons in Topological Insulators: The Case of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review Letters, 2015, 115, 216802.	7.8	87
16	Heterostructured hBNâ€BPâ€hBN Nanodetectors at Terahertz Frequencies. Advanced Materials, 2016, 28, 7390-7396.	21.0	85
17	The advent of graphene and other two-dimensional materials in membrane science and technology. Current Opinion in Chemical Engineering, 2017, 16, 78-85.	7.8	83
18	Plasmonics with two-dimensional semiconductors: from basic research to technological applications. Nanoscale, 2018, 10, 8938-8946.	5.6	79

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19	When plasmonics meets membrane technology. Journal of Physics Condensed Matter, 2016, 28, 363003.	1.8	75
20	Helium reflectivity and Debye temperature of graphene grown epitaxially on Ru(0001). Physical Review B, 2011, 84, .	3.2	69
21	Tailoring the Surface Chemical Reactivity of Transitionâ€Metal Dichalcogenide PtTe₂ Crystals. Advanced Functional Materials, 2018, 28, 1706504.	14.9	68
22	Reverse electrodialysis powered greenhouse concept for water- and energy-self-sufficient agriculture. Applied Energy, 2017, 187, 390-409.	10.1	61
23	Unveiling the Mechanisms Leading to H₂ Production Promoted by Water Decomposition on Epitaxial Graphene at Room Temperature. ACS Nano, 2016, 10, 4543-4549.	14.6	60
24	Indium selenide: an insight into electronic band structure and surface excitations. Scientific Reports, 2017, 7, 3445.	3.3	60
25	Dispersion and Damping of Gold Surface Plasmon. Plasmonics, 2008, 3, 165-170.	3.4	57
26	Vibrational spectroscopy and theory of alkali metal adsorption and co-adsorption on single-crystal surfaces. Surface Science Reports, 2013, 68, 305-389.	7.2	57
27	The advent of thermoplasmonic membrane distillation. Chemical Society Reviews, 2022, 51, 6087-6125.	38.1	56
28	The Advent of Indium Selenide: Synthesis, Electronic Properties, Ambient Stability and Applications. Nanomaterials, 2017, 7, 372.	4.1	50
29	Black phosphorus nanodevices at terahertz frequencies: Photodetectors and future challenges. APL Materials, 2017, 5, .	5.1	49
30	The influence of electron confinement, quantum size effects, and film morphology on the dispersion and the damping of plasmonic modes in Ag and Au thin films. Progress in Surface Science, 2015, 90, 144-193.	8.3	48
31	Effects of a humid environment on the sheet plasmon resonance in epitaxial graphene. Physical Review B, 2012, 86, .	3.2	47
32	Quasiparticle spectrum and plasmonic excitations in the topological insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sb</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2015, 91, .	3.2	46
33	Manipulating the Topological Interface by Molecular Adsorbates: Adsorption of Co-Phthalocyanine on Bi₂Se₃. Nano Letters, 2016, 16, 3409-3414.	9.1	44
34	Self-Assembled SnO₂/SnSe₂ Heterostructures: A Suitable Platform for Ultrasensitive NO₂ and H₂ Sensing. ACS Applied Materials & Interfaces, 2020, 12, 34362-34369.	8.0	44
35	Near-field terahertz probes with room-temperature nanodetectors for subwavelength resolution imaging. Scientific Reports, 2017, 7, 44240.	3.3	43
36	Water adsorption on graphene/Pt(111) at room temperature: A vibrational investigation. AIP Advances, 2011, 1, .	1.3	42

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37	Tailoring the physical properties of nanocomposite films by the insertion of graphene and other nanoparticles. Composites Part B: Engineering, 2014, 60, 29-35.	12.0	42
38	Plasmon spectroscopy of graphene and other two-dimensional materials with transmission electron microscopy. Materials Science in Semiconductor Processing, 2017, 65, 88-99.	4.0	40
39	Toward the Effective Exploitation of Topological Phases of Matter in Catalysis: Chemical Reactions at the Surfaces of NbAs and TaAs Weyl Semimetals. Advanced Functional Materials, 2018, 28, 1800511.	14.9	40
40	Probing collective electronic excitations in as-deposited and modified Ag thin films grown on Cu(111). Physical Review B, 2009, 79, .	3.2	39
41	Unravelling suitable grapheneâ€“metal contacts for graphene-based plasmonic devices. Nanoscale, 2013, 5, 8215.	5.6	39
42	Adsorption-assisted transport of water vapour in super-hydrophobic membranes filled with multilayer graphene platelets. Nanoscale, 2019, 11, 11521-11529.	5.6	38
43	Plasmon of Shockley surface states inCu(111): A high-resolution electron energy loss spectroscopy study. Physical Review B, 2006, 74, .	3.2	36
44	Evidence of Kohn anomalies in quasi-freestanding graphene on Pt(1 1 1). Carbon, 2012, 50, 734-736.	10.3	36
45	Self-Assembly of Graphene Nanoblisters Sealed to a Bare Metal Surface. Nano Letters, 2016, 16, 1808-1817.	9.1	36
46	Sustainable Liquid-Phase Exfoliation of Layered Materials with Nontoxic Polarclean Solvent. ACS Sustainable Chemistry and Engineering, 2020, 8, 18830-18840.	6.7	36
47	Mapping propagation of collective modes in Bi2Se3 and Bi2Te2.2Se0.8 topological insulators by near-field terahertz nanoscopy. Nature Communications, 2021, 12, 6672.	12.8	36
48	Vibrational Investigation of Catalyst Surfaces: Change of the Adsorption Site of CO Molecules upon Coadsorption. Journal of Physical Chemistry C, 2011, 115, 13541-13553.	3.1	35
49	Phonon dispersion of quasi-freestanding graphene on Pt(111). Journal of Physics Condensed Matter, 2012, 24, 104025.	1.8	35
50	Quadratic Dispersion and Damping Processes of Ï€ Plasmon in Monolayer Graphene on Pt(111). Plasmonics, 2012, 7, 369-376.	3.4	35
51	Quenching of plasmons modes in air-exposed graphene-Ru contacts for plasmonic devices. Applied Physics Letters, 2013, 102, .	3.3	35
52	Enhanced Electrocatalytic Activity in GaSe and InSe Nanosheets: The Role of Surface Oxides. Advanced Functional Materials, 2020, 30, 2005466.	14.9	35
53	Hydrogen bonding at the water/quasi-freestanding graphene interface. Carbon, 2011, 49, 5180-5184.	10.3	34
54	Spectroscopic characterization of graphene films grown on Pt(111) surface by chemical vapor deposition of ethylene. Journal of Raman Spectroscopy, 2013, 44, 1393-1397.	2.5	34

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55	Ultrasensitive ambient-stable SnSe₂-based broadband photodetectors for room-temperature IR/THz energy conversion and imaging. 2D Materials, 2020, 7, 035026.	4.4	34
56	Purely quadratic dispersion of surface plasmon in Ag/Ni(111): the influence of electron confinement. Physica Status Solidi - Rapid Research Letters, 2008, 2, 86-88.	2.4	33
57	High resolution electron energy loss measurements of Naâˆ•Cu(111) and H2Oâˆ•Naâˆ•Cu(111): Dependence of water reactivity as a function of Na coverage. Journal of Chemical Physics, 2007, 126, 244712.	3.0	32
58	The role of surface chemical reactivity in the stability of electronic nanodevices based on two-dimensional materials â€œbeyond grapheneâ€•and topological insulators. FlatChem, 2017, 1, 60-64.	5.6	32
59	Influence of CO adsorption on the alkali-substrate bond studied by high-resolution electron energy loss spectroscopy. Physical Review B, 2007, 76, .	3.2	30
60	Bi₂Se₃-assisted membrane crystallization. Materials Horizons, 2018, 5, 912-919.	12.2	30
61	Emergence of an Out-of-Plane Optical Phonon (ZO) Kohn Anomaly in Quasifreestanding Epitaxial Graphene. Physical Review Letters, 2015, 115, 075504.	7.8	29
62	Shortâ€Range Interactions in Na Coadsorption with CO and O on Ni(111). ChemPhysChem, 2008, 9, 1189-1194.	2.1	28
63	Interband plasmons in supported graphene on metal substrates: Theory and experiments. Carbon, 2016, 96, 91-97.	10.3	28
64	Mechanical exfoliation and layer number identification of single crystal monoclinic CrCl₃. Nanotechnology, 2020, 31, 395706.	2.6	28
65	Electronic properties of self-assembled quantum dots of sodium on Cu(111) and their interaction with water. Surface Science, 2007, 601, 2656-2659.	1.9	27
66	COLLECTIVE ELECTRONIC EXCITATIONS IN SYSTEMS EXHIBITING QUANTUM WELL STATES. Surface Review and Letters, 2009, 16, 171-190.	1.1	27
67	Exploring the Surface Chemical Reactivity of Single Crystals of Binary and Ternary Bismuth Chalcogenides. Journal of Physical Chemistry C, 2014, 118, 21517-21522.	3.1	27
68	PdTe₂ Transitionâ€Metal Dichalcogenide: Chemical Reactivity, Thermal Stability, and Device Implementation. Advanced Functional Materials, 2020, 30, 1906556.	14.9	27
69	Unveiling the origin of room-temperature ferromagnetism in monolayer VSe2: the role of extrinsic effects. Nanoscale, 2020, 12, 20875-20882.	5.6	26
70	Enhancement of the Magnetic Coupling in Exfoliated CrCl₃ Crystals Observed by Lowâ€Temperature Magnetic Force Microscopy and Xâ€ray Magnetic Circular Dichroism. Advanced Materials, 2020, 32, e2000566.	21.0	26
71	Dispersion and damping of the interband Ï€ plasmon in graphene grown on Cu(111) foils. Carbon, 2017, 114, 70-76.	10.3	25
72	Experimental determination of surface thermal expansion and electronâ€“phonon coupling constant of 1T-PtTe₂. 2D Materials, 2020, 7, 025007.	4.4	25

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73	Collective Excitations in Nanoscale Thin Alkali Films: Na/Cu(111). Journal of Nanoscience and Nanotechnology, 2009, 9, 3932-3937.	0.9	24
74	Evidence of confinement of the Ï€ plasmon in periodically rippled graphene on Ru(0001). Physical Chemistry Chemical Physics, 2013, 15, 11356.	2.8	24
75	Absorption edges of black phosphorus: A comparative analysis. Physica Status Solidi (B): Basic Research, 2016, 253, 2509-2514.	1.5	24
76	Alkali adsorption on Ni(111) and their coadsorption with CO and O. Applied Surface Science, 2008, 254, 6854-6859.	6.1	23
77	Alkali-promoted CO dissociation on Cu(111) and Ni(111) at room temperature. Journal of Chemical Physics, 2008, 129, 164703.	3.0	23
78	Periodically rippled graphene on Ru(0001): A template for site-selective adsorption of hydrogen dimers via water splitting and hydrogen-spillover at room temperature. Carbon, 2013, 61, 412-417.	10.3	23
79	Indentation fracture toughness of single-crystal Bi2Te3 topological insulators. Nano Research, 2016, 9, 1032-1042.	10.4	23
80	Evidence of composite plasmonâ€“phonon modes in the electronic response of epitaxial graphene. Journal of Physics Condensed Matter, 2013, 25, 345303.	1.8	22
81	Mechanical properties of Bi2Te3 topological insulator investigated by density functional theory and nanoindentation. Scripta Materialia, 2016, 121, 50-55.	5.2	22
82	Emergence of a nonlinear plasmon in the electronic response of doped graphene. Carbon, 2014, 71, 176-180.	10.3	21
83	Symmetries and selection rules in the measurement of the phonon spectrum of graphene and related materials. Carbon, 2015, 85, 225-232.	10.3	21
84	Tuning the lifetime of the surface plasmon upon sputtering. Physica Status Solidi - Rapid Research Letters, 2009, 3, 136-138.	2.4	20
85	Chemical Reactions at Clean and Alkali-Doped Mismatched Metal/Metal Interfaces. Journal of Physical Chemistry C, 2009, 113, 316-320.	3.1	20
86	Nature of the Alkali Surface Bond at Low Coverages Investigated by Vibrational Measurements. Journal of Physical Chemistry C, 2008, 112, 6977-6980.	3.1	19
87	Interplay of structural and temperature effects on plasmonic excitations at noble-metal interfaces. Philosophical Magazine, 2012, 92, 768-778.	1.6	19
88	A few-layer graphene for advanced composite PVDF membranes dedicated to water desalination: a comparative study. Nanoscale Advances, 2020, 2, 4728-4739.	4.6	19
89	Evidences of alkali-induced softening of the oxygen-substrate bond. Journal of Chemical Physics, 2008, 128, 074703.	3.0	18
90	Enhancement of hydrolysis in alkali ultrathin layers on metal substrates in the presence of electron confinement. Chemical Physics Letters, 2010, 494, 84-87.	2.6	18

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91	Substrate-dependent plasmonic properties of supported graphene. Surface Science, 2015, 634, 76-80.	1.9	18
92	Dispersion and damping of surface plasmon in Ag thin films grown on Cu(111) and Ni(111). Superlattices and Microstructures, 2009, 46, 137-140.	3.1	17
93	Annealing effects on the plasmonic excitations of metal/metal interfaces. Applied Surface Science, 2009, 255, 6038-6042.	6.1	17
94	The adsorption and co-adsorption of oxygen and carbon monoxide on Pt3Ni(111): A vibrational study. Journal of Chemical Physics, 2011, 134, 224705.	3.0	17
95	Spectroscopic Investigations of Phonons in Epitaxial Graphene. Critical Reviews in Solid State and Materials Sciences, 2017, 42, 99-128.	12.3	17
96	Electronic properties of metallic bilayers deposited on Cu(111): A comparative study. Surface Science, 2009, 603, 933-937.	1.9	16
97	Damping of the surface plasmon in clean and K-modified Ag thin films. Journal of Electron Spectroscopy and Related Phenomena, 2009, 173, 12-17.	1.7	16
98	Plasmonic Modes Confined in Nanoscale Thin Silver Films Deposited onto Metallic Substrates. Journal of Nanoscience and Nanotechnology, 2010, 10, 1313-1321.	0.9	16
99	Helium, neon and argon diffraction from Ru(0001). Journal of Physics Condensed Matter, 2012, 24, 354002.	1.8	16
100	Cutting a Gordian Knot: Dispersion of plasmonic modes in Bi2Se3 topological insulator. Applied Physics Letters, 2017, 110, .	3.3	16
101	Photothermal response of plasmonic nanofillers for membrane distillation. Journal of Chemical Physics, 2020, 152, 114102.	3.0	16
102	Temperature effects on alkali-promoted CO dissociation on Ni(111). Surface Science, 2008, 602, 2096-2100.	1.9	15
103	Influence of Structural and Electronic Properties on the Collective Excitations of Ag/Cu(111). Plasmonics, 2012, 7, 131-136.	3.4	15
104	Unusually strong lateral interaction in the CO overlayer in phosphorene-based systems. Nano Research, 2016, 9, 2598-2605.	10.4	15
105	Mechanisms Leading to Alkali Oxidation on Metal Surfaces. Journal of Physical Chemistry C, 2008, 112, 17772-17774.	3.1	14
106	Alkali-induced hydrogenation of epitaxial graphene by water splitting at 100 K. Journal of Chemical Physics, 2013, 138, 044703.	3.0	14
107	Efficient hydrogen evolution reaction with platinum stannide PtSn₄via surface oxidation. Journal of Materials Chemistry A, 2020, 8, 2349-2355.	10.3	14
108	Sputtering-induced modification of the electronic properties of Ag/Cu(1â€‰1â€‰1). Journal Physics D: Applied Physics, 2010, 43, 085302.	2.8	13

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109	Nanoindentation of singleâ€crystal Bi₂Te₃ topological insulators grown with the Bridgmanâ€“Stockbarger method. Physica Status Solidi (B): Basic Research, 2016, 253, 1082-1086.	1.5	13
110	Surface Reconstruction, Oxidation Mechanism, and Stability of Cd₃As₂. Advanced Functional Materials, 2019, 29, 1900965.	14.9	13
111	Water-induced hydrogenation of graphene/metal interfaces at room temperature: Insights on water intercalation and identification of sites for water splitting. Nano Research, 2019, 12, 3101-3108.	10.4	13
112	Chemical reactions on surfaces for applications in catalysis, gas sensing, adsorption-assisted desalination and Li-ion batteries: opportunities and challenges for surface science. Physical Chemistry Chemical Physics, 2021, 23, 7541-7552.	2.8	13
113	Segregation and Selective Oxidation of Ni Atoms in Pt₃Ni(111) in a Low-Pressure Oxygen Environment. Journal of Physical Chemistry C, 2013, 117, 27007-27011.	3.1	12
114	Quasi-freestanding graphene on Ni(110): A graphene/metal contact with suppressed interface states. Nano Research, 2016, 9, 1795-1800.	10.4	12
115	On the role of nano-confined water at the 2D/SiO₂ interface in layer number engineering of exfoliated MoS₂ via thermal annealing. 2D Materials, 2020, 7, 025001.	4.4	12
116	Emerging oxidized and defective phases in low-dimensional CrCl₃. Nanoscale Advances, 2021, 3, 4756-4766.	4.6	12
117	Alkali-promoted stabilization of subsurface oxygen on Cu(111). Chemical Physics, 2010, 367, 148-151.	1.9	11
118	Effect of moirÃ© superlattice reconstruction in the electronic excitation spectrum of graphene-metal heterostructures. 2D Materials, 2017, 4, 021001.	4.4	11
119	Tin Diselenide (SnSe2) Van der Waals Semiconductor: Surface Chemical Reactivity, Ambient Stability, Chemical and Optical Sensors. Materials, 2022, 15, 1154.	2.9	11
120	Low-Energy Collective Electronic Mode at a Noble Metal Interface. Plasmonics, 2013, 8, 357-360.	3.4	10
121	Interaction of VSe₂ with Ambient Gases: Stability and Chemical Reactivity. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900332.	2.4	10
122	Excitonâ€“phonon coupling and power dependent room temperature photoluminescence of sulphur vacancy doped MoS₂via controlled thermal annealing. Nanoscale, 2020, 12, 18899-18907.	5.6	10
123	Interference effects in the excitation of collective electronic modes in nanoscale thin Ag films. Superlattices and Microstructures, 2009, 46, 166-170.	3.1	9
124	CO-promoted formation of the alkali-oxygen bond on Ni(111). Journal of Chemical Physics, 2010, 132, 044706.	3.0	9
125	Carbon monoxide interaction with oxygenated nickel single-crystal surfaces studied by vibrational spectroscopy. Vibrational Spectroscopy, 2011, 55, 295-299.	2.2	9
126	Collective Electronic Excitations in Thin Ag Films on Ni(111). Plasmonics, 2013, 8, 1683-1690.	3.4	9

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127	Probing growth dynamics of graphene/Ru(0001) and the effects of air exposure by means of helium atom scattering. Surface Science, 2015, 634, 44-48.	1.9	9
128	Insight on a novel layered semiconductors: CuTlS and CuTlSe. Journal of Solid State Chemistry, 2016, 242, 1-7.	2.9	9
129	The nature of free O-H stretching in water adsorbed on carbon nanosystems. Journal of Chemical Physics, 2013, 139, 064704.	3.0	8
130	IIIâ€“VI and IVâ€“VI van der Waals Semiconductors InSe, GaSe and GeSe: A Suitable Platform for Efficient Electrochemical Water Splitting, Photocatalysis and Chemical Sensing. Israel Journal of Chemistry, 2022, 62, .	2.3	7
131	Electronic properties of (3/2Ã—3/2)-Na/Cu(111). Journal of Electron Spectroscopy and Related Phenomena, 2008, 162, 25-29.	1.7	6
132	Comparative vibrational study on alkali coadsorption with CO and O on Ni(111) and Cu(111). Journal of Physics Condensed Matter, 2009, 21, 264006.	1.8	6
133	Effects of O adsorption on the system. Superlattices and Microstructures, 2009, 46, 10-13.	3.1	6
134	Low-energy bulk plasmon of nickel. Solid State Sciences, 2010, 12, 2096-2099.	3.2	6
135	THE EXCITATION OF PLASMON MODES AT A MISMATCHED SILVER/COPPER INTERFACE. Surface Review and Letters, 2011, 18, 153-162.	1.1	6
136	On the intercalation of CO molecules in ultra-high vacuum conditions underneath graphene epitaxially grown on metal substrates. Carbon, 2013, 62, 263-269.	10.3	6
137	Ice formation on clean and alkali-doped quasi-freestanding graphene: A vibrational investigation. Carbon, 2015, 93, 242-249.	10.3	6
138	Vibrational measurements of Na/Ni(111) and (NaÂ+ÂCO)/Ni(111). Journal of Materials Science, 2008, 43, 3447-3451.	3.7	5
139	Interplay between single-particle and plasmonic excitations in the electronic response of thin Ag films. Journal of Physics Condensed Matter, 2013, 25, 305001.	1.8	5
140	The formation of HOCO in the coadsorption of water and carbon monoxide on Pt3Ni(111). RSC Advances, 2014, 4, 45641-45646.	3.6	5
141	Toward a novel theoretical approach for determining the nature of electronic excitations in quasi-two-dimensional systems. New Journal of Physics, 2015, 17, 081002.	2.9	5
142	Catalytic activity of PtSn4: Insights from surface-science spectroscopies. Applied Surface Science, 2020, 514, 145925.	6.1	5
143	On the fate of high-resolution electron energy loss spectroscopy (HREELS), a versatile probe to detect surface excitations: will the Phoenix rise again?. Physical Chemistry Chemical Physics, 2021, 23, 26061-26069.	2.8	5
144	STEM and EELS Investigation on Black Phosphorus at Atomic Resolution. Microscopy and Microanalysis, 2015, 21, 427-428.	0.4	4

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145	Unveiling the Oxidation Processes of Pt₃Ni(1â€‰1â€‰1) by Realâ€Time Surface Coreâ€Level Spectroscopy. ChemCatChem, 2016, 8, 713-718.	3.7	4
146	Site-dependent lattice dynamics in periodically rippled graphene on Ru(0001). Europhysics Letters, 2017, 118, 27007.	2.0	4
147	Insight on Thermally Activated Hydrocarbon Dehydrogenation on the Pt₃Ni(111) Surface: From Adsorbed Hydrocarbons up to Graphene Formation. Journal of Physical Chemistry C, 2018, 122, 3885-3892.	3.1	4
148	Insights on the Excitation Spectrum of Graphene Contacted with a Pt Skin. Nanomaterials, 2020, 10, 703.	4.1	4
149	Assessing the stability of Cd₃As₂ Dirac semimetal in humid environments: the influence of defects, steps and surface oxidation. Journal of Materials Chemistry C, 2021, 9, 1235-1244.	5.5	4
150	ELECTRONIC PROPERTIES OF CALCIUM ULTRATHIN LAYERS ON Cu(111): A HIGH-RESOLUTION ELECTRON ENERGY LOSS SPECTROSCOPY STUDY. Surface Review and Letters, 2010, 17, 411-417.	1.1	3
151	Efficient Hydrogen Evolution Reaction with Bulk and Nanostructured Mitrofanovite Pt3Te4. Nanomaterials, 2022, 12, 558.	4.1	3
152	Setting the limit for the lateral thermal expansion of layered crystals via helium atom scattering. Physical Chemistry Chemical Physics, 2022, 24, 13229-13233.	2.8	3
153	Sequestration of carbon monoxide at room temperature at vacancy sites of graphene. Chemical Communications, 2019, 55, 8607-8610.	4.1	2
154	A helium atom scattering study of well-ordered TCNQ adlayers on Cu(100). Surface Science, 2014, 620, 65-69.	1.9	1
155	Black phosphorus and hybrid van der wall heterostructured terahertz photodetectors. , 2016, , .		1
156	Influence of Electron Quantum Confinement on the Electronic Response of Metal/Metal Interfaces. International Journal of Behavioral and Consultation Therapy, 2012, , 69-104.	0.4	1
157	Graphene and 2D Materials Based Membranes for Water Treatment. RSC Nanoscience and Nanotechnology, 2018, , 211-224.	0.2	1
158	Anomalous lattice vibrations in self-nanostructured graphene on Ru(0001). Surface Science, 2018, 678, 5-10.	1.9	0