Dong-Chen Qi

List of Publications by Year
in descending order

164 papers	7,265 citations	50276 46 h-index	66911 78 g-index
169 all docs	169 docs citations	169 times ranked	10116 citing authors

#	Article	IF	Citations
1	Surface Transfer p-Type Doping of Epitaxial Graphene. Journal of the American Chemical Society, 2007, 129, 10418-10422.	13.7	554
2	The role of van der Waals forces in the performance of molecular diodes. Nature Nanotechnology, 2013, 8, 113-118.	31.5	299
3	Recent progress on the electronic structure, defect, and doping properties of Ga2O3. APL Materials, 2020, 8, .	5.1	295
4	Surface transfer doping of semiconductors. Progress in Surface Science, 2009, 84, 279-321.	8.3	282
5	Flexible, Printable Softâ€Xâ€Ray Detectors Based on Allâ€Inorganic Perovskite Quantum Dots. Advanced Materials, 2019, 31, e1901644.	21.0	221
6	Organicâ€"Organic Heterojunction Interfaces: Effect of Molecular Orientation. Advanced Functional Materials, 2011, 21, 410-424.	14.9	210
7	Room-Temperature Ferromagnetism of Cu-Doped ZnO Films Probed by Soft X-Ray Magnetic Circular Dichroism. Physical Review Letters, 2010, 105, 207201.	7.8	205
8	Wide Bandgap Oxide Semiconductors: from Materials Physics to Optoelectronic Devices. Advanced Materials, 2021, 33, e2006230.	21.0	185
9	Atomic structure of the 6Hâ€"SiC(0001) nanomesh. Surface Science, 2005, 596, 176-186.	1.9	179
10	Photocatalytic solar fuel production and environmental remediation through experimental and DFT based research on CdSe-QDs-coupled P-doped-g-C3N4 composites. Applied Catalysis B: Environmental, 2020, 270, 118867.	20.2	165
11	Room temperature ferromagnetism in partially hydrogenated epitaxial graphene. Applied Physics Letters, 2011, 98, .	3.3	126
12	Electric-field-driven dual-functional molecular switches in tunnel junctions. Nature Materials, 2020, 19, 843-848.	27.5	124
13	Anchoring Single Copper Atoms to Microporous Carbon Spheres as Highâ€Performance Electrocatalyst for Oxygen Reduction Reaction. Advanced Functional Materials, 2021, 31, 2104864.	14.9	115
14	Surface Transfer Doping of Diamond (100) by Tetrafluoro-tetracyanoquinodimethane. Journal of the American Chemical Society, 2007, 129, 8084-8085.	13.7	105
15	Surface transfer doping of diamond by MoO₃: A combined spectroscopic and Hall measurement study. Applied Physics Letters, 2013, 103, 202112.	3.3	99
16	Solvent Effects on Chain Orientation and Interchain Ï€-Interaction in Conjugated Polymer Thin Films: Direct Measurements of the Air and Substrate Interfaces by Near-Edge X-ray Absorption Spectroscopy. Advanced Materials, 2007, 19, 215-221.	21.0	97
17	Quasi-Free-Standing Epitaxial Graphene on SiC (0001) by Fluorine Intercalation from a Molecular Source. ACS Nano, 2011, 5, 7662-7668.	14.6	96
18	Mutual Ferromagneticâ€"Ferroelectric Coupling in Multiferroic Copperâ€Doped ZnO. Advanced Materials, 2011, 23, 1635-1640.	21.0	96

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19	Mechanism of the Fermi level pinning at organic donorâ€“acceptor heterojunction interfaces. Organic Electronics, 2011, 12, 534-540.	2.6	85
20	Molecular Orientation Dependent Energy Level Alignment at Organicâˆ•Organic Heterojunction Interfaces. Journal of Physical Chemistry C, 2009, 113, 12832-12839.	3.1	80
21	Tuning the Electronic Structure of NiO via Li Doping for the Fast Oxygen Evolution Reaction. Chemistry of Materials, 2019, 31, 419-428.	6.7	78
22	Increased activity in the oxygen evolution reaction by Fe⁴⁺-induced hole states in perovskite La_{1âˆ’x}Sr_xFeO₃. Journal of Materials Chemistry A, 2020, 8, 4407-4415.	10.3	78
23	Enhanced surface transfer doping of diamond by V2O5 with improved thermal stability. Applied Physics Letters, 2016, 108, .	3.3	74
24	Chlorine-anion doping induced multi-factor optimization in perovskties for boosting intrinsic oxygen evolution. Journal of Energy Chemistry, 2021, 52, 115-120.	12.9	69
25	Molecular orientation dependent interfacial dipole at the F16CuPcâˆ•CuPc organic heterojunction interface. Applied Physics Letters, 2008, 92, 063308.	3.3	68
26	Beyond Hydrogen Evolution: Solar-Driven, Water-Donating Transfer Hydrogenation over Platinum/Carbon Nitride. ACS Catalysis, 2020, 10, 9227-9235.	11.2	68
27	Elucidating the electronic structure of CuWO₄ thin films for enhanced photoelectrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 11895-11907.	10.3	67
28	An Fe stabilized metallic phase of NiS₂ for the highly efficient oxygen evolution reaction. Nanoscale, 2019, 11, 23217-23225.	5.6	66
29	Surfaceâ€Dependent Intermediate Adsorption Modulation on Iridiumâ€Modified Black Phosphorus Electrocatalysts for Efficient pHâ€Universal Water Splitting. Advanced Materials, 2021, 33, e2104638.	21.0	65
30	Tuning the Hole Injection Barrier at the Organic/Metal Interface with Self-Assembled Functionalized Aromatic Thiols. Journal of Physical Chemistry B, 2006, 110, 26075-26080.	2.6	60
31	Metal-insulator transition in manganites: Changes in optical conductivity up to 22 eV. Physical Review B, 2008, 78, .	3.2	58
32	2D Materials Based on Main Group Element Compounds: Phases, Synthesis, Characterization, and Applications. Advanced Functional Materials, 2020, 30, 2001127.	14.9	58
33	Tailoring the Electronic Structures of the La₂NiMnO₆ Double Perovskite as Efficient Bifunctional Oxygen Electrocatalysis. Chemistry of Materials, 2021, 33, 2062-2071.	6.7	58
34	Electronic Structure, Optical Properties, and Photoelectrochemical Activity of Sn-Doped Fe₂O₃ Thin Films. Journal of Physical Chemistry C, 2020, 124, 12548-12558.	3.1	56
35	Surface-Transfer Doping of Organic Semiconductors Using Functionalized Self-Assembled Monolayers. Advanced Functional Materials, 2007, 17, 1339-1344.	14.9	55
36	Electronic structure and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math>-type conduction mechanism of spinel cobaltite oxide thin films. Physical Review B, 2019, 100, .	3.2	54

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37	Large Damage Threshold and Small Electron Escape Depth in X-ray Absorption Spectroscopy of a Conjugated Polymer Thin Film. Langmuir, 2006, 22, 8587-8594.	3.5	53
38	Atomic layer deposition-developed two-dimensional Î±-MoO3 windows excellent hydrogen peroxide electrochemical sensing capabilities. Sensors and Actuators B: Chemical, 2018, 262, 334-344.	7.8	53
39	Molecular orientation of CuPc thin films on C60/Ag(111). Applied Physics Letters, 2009, 94, .	3.3	52
40	Probing the ultrafast electron transfer at the CuPcâˆ•Au(111) interface. Applied Physics Letters, 2006, 88, 184102.	3.3	50
41	Orientation-controlled charge transfer at CuPc/F16CuPc interfaces. Journal of Applied Physics, 2009, 106, 064910.	2.5	50
42	Electronic Structure, Chemical Interactions and Molecular Orientations of 3,4,9,10-Perylene-tetracarboxylic-dianhydride on TiO₂(110). Journal of Physical Chemistry C, 2011, 115, 24880-24887.	3.1	50
43	Interfacial electronic structures revealed at the rubrene/CH₃NH₃PbI₃ interface. Physical Chemistry Chemical Physics, 2017, 19, 6546-6553.	2.8	50
44	Enhancement of the performance of organic solar cells by electrospray deposition with optimal solvent system. Solar Energy Materials and Solar Cells, 2014, 121, 119-125.	6.2	49
45	Observation of room-temperature high-energy resonant excitonic effects in graphene. Physical Review B, 2011, 84, .	3.2	48
46	Effect of Moleculeâ^'Substrate Interaction on Thin-Film Structures and Molecular Orientation of Pentacene on Silver and Gold. Langmuir, 2007, 23, 8336-8342.	3.5	47
47	Thermally Stable, High Performance Transfer Doping of Diamond using Transition Metal Oxides. Scientific Reports, 2018, 8, 3342.	3.3	46
48	A monolithic artificial iconic memory based on highly stable perovskite-metal multilayers. Applied Physics Reviews, 2020, 7, .	11.3	46
49	Creating Polymer Structures of Tunable Electric Functionality by Nanoscale Discharge-Assisted Cross-Linking and Oxygenation. Journal of the American Chemical Society, 2006, 128, 2738-2744.	13.7	43
50	Flexible Sensors Based on Organicâ€"Inorganic Hybrid Materials. Advanced Materials Technologies, 2021, 6, 2000889.	5.8	43
51	Single layer diamond - A new ultrathin 2D carbon nanostructure for mechanical resonator. Carbon, 2020, 161, 809-815.	10.3	42
52	Bias induced transition from an ohmic to a non-ohmic interface in supramolecular tunneling junctions with Ga₂O₃/EGaIn top electrodes. Nanoscale, 2014, 6, 11246-11258.	5.6	41
53	Scalable Production of Graphene Oxide Using a 3D-Printed Packed-Bed Electrochemical Reactor with a Boron-Doped Diamond Electrode. ACS Applied Nano Materials, 2019, 2, 867-878.	5.0	41
54	Effect of Gap States on the Orientation-Dependent Energy Level Alignment at the DIP/F₁₆CuPc Donorâ€"Acceptor Heterojunction Interfaces. Journal of Physical Chemistry C, 2011, 115, 23922-23928.	3.1	40

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55	Facilitating the Deprotonation of OH to O through Fe⁴⁺â€Induced States in Perovskite LaNiO₃ Enables a Fast Oxygen Evolution Reaction. Small, 2021, 17, e2006930.	10.0	40
56	Thickness-dependent energy level alignment of rubrene adsorbed on Au(111). Applied Physics Letters, 2007, 90, 132121.	3.3	38
57	Liquid metal derived MOF functionalized nanoarrays with ultra-wideband electromagnetic absorption. Journal of Colloid and Interface Science, 2022, 606, 1852-1865.	9.4	38
58	Strainâ€Induced Isomerization in Oneâ€Dimensional Metalâ€"Organic Chains. Angewandte Chemie - International Edition, 2019, 58, 18591-18597.	13.8	37
59	2D/2D Black Phosphorus/Nickel Hydroxide Heterostructures for Promoting Oxygen Evolution via Electronic Structure Modulation and Surface Reconstruction. Advanced Energy Materials, 2022, 12, .	19.5	37
60	Three-Dimensional Fast Na-Ion Transport in Sodium Titanate Nanoarchitectures via Engineering of Oxygen Vacancies and Bismuth Substitution. ACS Nano, 2021, 15, 13604-13615.	14.6	36
61	Water-Induced Negative Electron Affinity on Diamond (100). Journal of Physical Chemistry C, 2008, 112, 2487-2491.	3.1	35
62	Enhanced electrochemical production and facile modification of graphite oxide for cost-effective sodium ion battery anodes. Carbon, 2021, 177, 71-78.	10.3	34
63	Periodic nanostructures: preparation, properties and applications. Chemical Society Reviews, 2021, 50, 6423-6482.	38.1	34
64	Room temperature conductance switching in a molecular iron(<scp>iii</scp>) spin crossover junction. Chemical Science, 2021, 12, 2381-2388.	7.4	33
65	Experimental Observation of the Crystallization of a Paired Holon State. Physical Review Letters, 2010, 105, 026402.	7.8	31
66	Cationic-vacancy-induced room-temperature ferromagnetism in transparent, conducting anatase Ti 1âˆ' x Ta x O 2 (x âˆ¼0.05) thin films. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 4927-4943.	3.4	31
67	Quantitative Femtosecond Charge Transfer Dynamics at Organic/Electrode Interfaces Studied by Coreâ€Hole Clock Spectroscopy. Advanced Materials, 2014, 26, 7880-7888.	21.0	31
68	CVD Graphene as Interfacial Layer to Engineer the Organic Donorâ€"Acceptor Heterojunction Interface Properties. ACS Applied Materials & Interfaces, 2012, 4, 3134-3140.	8.0	30
69	MoO3 induces p-type surface conductivity by surface transfer doping in diamond. Applied Surface Science, 2020, 509, 144890.	6.1	30
70	Chemical vapor deposition graphene as structural template to control interfacial molecular orientation of chloroaluminium phthalocyanine. Applied Physics Letters, 2011, 99, 093301.	3.3	29
71	Ti-doped ZnO Thin Films Prepared at Different Ambient Conditions: Electronic Structures and Magnetic Properties. Materials, 2010, 3, 3642-3653.	2.9	28
72	Negative Tunneling Magnetoresistance by Canted Magnetization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>MgO</mml:mi><mml:mo>/</mml:mo><mml:mi>NiO</mml:mi></mml:math>Tunnel Barriers. Physical Review Letters, 2011, 106, 167201.	7.8	28

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73	Molecular Orientation and Site Dependent Charge Transfer Dynamics at PTCDA/TiO₂(110) Interface Revealed by Resonant Photoemission Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 4160-4166.	3.1	28
74	General Programmable Growth of Hybrid Coreâ€“Shell Nanostructures with Liquid Metal Nanodroplets. Advanced Materials, 2021, 33, e2008024.	21.0	28
75	Reversible Oxidation of Blue Phosphorus Monolayer on Au(111). Nano Letters, 2019, 19, 5340-5346.	9.1	27
76	A DFT study of the surface charge transfer doping of diamond by chromium trioxide. Applied Surface Science, 2019, 496, 143604.	6.1	27
77	Ultrathin Films of Diindenoperylene on Graphite and SiO2. Journal of Physical Chemistry C, 2009, 113, 9251-9255.	3.1	26
78	Charge transfer dynamics of 3,4,9,10-perylene-tetracarboxylic-dianhydride molecules on Au(111) probed by resonant photoemission spectroscopy. Journal of Chemical Physics, 2011, 135, 174701.	3.0	25
79	Investigation of Interface Properties for ClAlPc/C₆₀ Heterojunction-Based Inverted Organic Solar Cell. Journal of Physical Chemistry C, 2012, 116, 2521-2526.	3.1	25
80	Effects of DamkhÃ¶ler number of evaporation on the morphology of active layer and the performance of organic heterojunction solar cells fabricated by electrospray method. Solar Energy Materials and Solar Cells, 2015, 134, 140-147.	6.2	25
81	The surface electronic structure of silicon terminated (100) diamond. Nanotechnology, 2016, 27, 275201.	2.6	24
82	Erasable and recreatable two-dimensional electron gas at the heterointerface of SrTiO ₃ and a water-dissolvable overlayer. Science Advances, 2019, 5, eaaw7286.	10.3	24
83	Scalable Spray Drying Production of Amorphous V₂O₅â€“EGO 2D Heterostructured Xerogels for Highâ€Rate and Highâ€Capacity Aqueous Zinc Ion Batteries. Small, 2022, 18, e2105761.	10.0	24
84	Room temperature ferromagnetism of ZnO nanocrystals in amorphous ZnOâ€“Al2O3 matrix. Applied Physics Letters, 2009, 95, .	3.3	22
85	Role of oxygen incorporation in electronic properties of rubrene films. Applied Physics Letters, 2010, 97, 032106.	3.3	22
86	Single-Molecule Imaging of Activated Nitrogen Adsorption on Individual Manganese Phthalocyanine. Nano Letters, 2015, 15, 3181-3188.	9.1	22
87	Probing the effect of the Ptâ€“Niâ€“Pt(111) bimetallic surface electronic structures on the ammonia decomposition reaction. Nanoscale, 2017, 9, 666-672.	5.6	22
88	Chemically Linked AuNPâˆ’Alkane Network for Enhanced Photoemission and Field Emission. ACS Nano, 2009, 3, 2722-2730.	14.6	21
89	Copper Phthalocyanine on Hydrogenated and Bare Diamond (001)-2 Ã— 1: Influence of Interfacial Interactions on Molecular Orientations. Langmuir, 2010, 26, 165-172.	3.5	21
90	Cationic vacancies and anomalous spectral-weight transfer in Ti<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Ta<mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	20

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91	The role of hydrogen plasma power on surface roughness and carrier transport in transfer-doped H-diamond. Diamond and Related Materials, 2018, 84, 48-54.	3.9	20
92	Ultrasonic Spray Pyrolysis of Antimonyâ€Doped Tin Oxide Transparent Conductive Coatings. Advanced Materials Interfaces, 2020, 7, 2000655.	3.7	20
93	Designing Kagome Lattice from Potassium Atoms on Phosphorusâ€“Gold Surface Alloy. Nano Letters, 2020, 20, 5583-5589.	9.1	20
94	Strainâ€Induced Isomerization in Oneâ€Dimensional Metalâ€“Organic Chains. Angewandte Chemie, 2019, 131, 18764-18770.	2.0	19
95	Chemical design and synthesis of superior single-atom electrocatalysts <i>via in situ</i> polymerization. Journal of Materials Chemistry A, 2020, 8, 17683-17690.	10.3	19
96	Enhanced Metalâ€“Insulator Transition in Freestanding VO₂ Down to 5 nm Thickness. ACS Applied Materials & Interfaces, 2021, 13, 16688-16693.	8.0	19
97	Role of Order in the Mechanism of Charge Transport across Single-Stranded and Double-Stranded DNA Monolayers in Tunnel Junctions. Journal of the American Chemical Society, 2021, 143, 20309-20319.	13.7	19
98	Perovskite Xâ€Ray Detectors: Flexible, Printable Softâ€Xâ€Ray Detectors Based on Allâ€Inorganic Perovskite Quantum Dots (Adv. Mater. 30/2019). Advanced Materials, 2019, 31, 1970214.	21.0	18
99	Tailoring magnetic order via atomically stacking 3<i>d</i>/5<i>d</i> electrons to achieve high-performance spintronic devices. Applied Physics Reviews, 2020, 7, .	11.3	18
100	Revealing the Electronic Structure and Optical Properties of CuFeO₂ as a p-Type Oxide Semiconductor. ACS Applied Electronic Materials, 2021, 3, 1834-1841.	4.3	18
101	First-Principles Study of the Enhanced Magnetic Anisotropy and Transition Temperature in a CrSe₂ Monolayer via Hydrogenation. ACS Applied Electronic Materials, 2022, 4, 3240-3245.	4.3	18
102	Synthesis and magnetic properties of MnSb nanoparticles on Si-based substrates. Applied Physics Letters, 2007, 90, 202503.	3.3	17
103	Tuning the Electron Affinity and Secondary Electron Emission of Diamond (100) Surfaces by Dielsâˆ’Alder Reaction. Langmuir, 2007, 23, 9722-9727.	3.5	17
104	Thickness dependence of X-ray absorption and photoemission in Fe thin films on Si(0â€‰0â€‰1). Journal of Electron Spectroscopy and Related Phenomena, 2006, 151, 199-203.	1.7	16
105	Molecular Orientation and Ordering during Initial Growth of Copper Phthalocyanine on Si(111). Journal of Physical Chemistry C, 2007, 111, 3454-3458.	3.1	16
106	Chemical Bonding of Fullerene and Fluorinated Fullerene on Bare and Hydrogenated Diamond. ChemPhysChem, 2008, 9, 1286-1293.	2.1	16
107	Cycloadditions on Diamond (100) 2 Ã— 1:Â Observation of Lowered Electron Affinity due to Hydrocarbon Adsorption. Journal of Physical Chemistry B, 2006, 110, 5611-5620.	2.6	15
108	Operando Converting BiOCl into Bi2O2(CO3)xCly for Efficient Electrocatalytic Reduction of Carbon Dioxide to Formate. Nano-Micro Letters, 2022, 14, 121.	27.0	15

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109	Conformational degree and molecular orientation in rubrene film by in situ x-ray absorption spectroscopy. Journal of Applied Physics, 2007, 102, 063504.	2.5	14
110	Template-Directed Molecular Assembly on Silicon Carbide Nanomesh: Comparison Between CuPc and Pentacene. ACS Nano, 2010, 4, 849-854.	14.6	14
111	A synchrotron-based photoemission study of the MoO3/Co interface. Journal of Chemical Physics, 2011, 134, 034706.	3.0	14
112	Observation of Frenkel and charge transfer excitons in pentacene single crystals using spectroscopic generalized ellipsometry. Applied Physics Letters, 2013, 103, .	3.3	14
113	Palladium forms Ohmic contact on hydrogen-terminated diamond down to 4â€‰K. Applied Physics Letters, 2020, 116, .	3.3	14
114	High-electron-affinity oxide V2O5 enhances surface transfer doping on hydrogen-terminated diamond. Diamond and Related Materials, 2020, 108, 107865.	3.9	14
115	Biasâ€Polarityâ€Dependent Direct and Inverted Marcus Charge Transport Affecting Rectification in a Redoxâ€Active Molecular Junction. Advanced Science, 2021, 8, e2100055.	11.2	14
116	Tailoring the Electron Affinity and Electron Emission of Diamond (100) 2 Ã— 1 by Surface Functionalization Using an Organic Semiconductor. Chemistry of Materials, 2008, 20, 6871-6879.	6.7	13
117	Scanning tunneling microscopy and photoelectron spectroscopy investigation of the sexithiophene:C₆₀ donor-acceptor nanostructure formation on graphite. Journal of Applied Physics, 2011, 109, 084307.	2.5	13
118	Tuning the interfacial hole injection barrier between p-type organic materials and Co using a MoO3 buffer layer. Journal of Applied Physics, 2012, 112, 033704.	2.5	13
119	Ultrasensitive NO₂ Gas Sensors Based on Layered Î±â€MoO₃ Nanoribbons. Advanced Materials Technologies, 2022, 7, 2100579.	5.8	13
120	Large spectral weight transfer in optical conductivity of SrTiO3 induced by intrinsic vacancies. Journal of Applied Physics, 2014, 115, 213706.	2.5	12
121	Reversible Tuning of Interfacial and Intramolecular Charge Transfer in Individual MnPc Molecules. Nano Letters, 2015, 15, 8091-8098.	9.1	12
122	A two-dimensional electron gas based on a 5s oxide with high room-temperature mobility and strain sensitivity. Acta Materialia, 2021, 204, 116516.	7.9	12
123	Chemical interaction dictated energy level alignment at the N,Nâ€²-dipentyl-3,4,9,10-perylenedicarboximide/CH3NH3PbI3 interface. Applied Physics Letters, 2018, 113, .	3.3	11
124	Strong spin-orbit interaction induced by transition metal oxides at the surface of hydrogen-terminated diamond. Carbon, 2020, 164, 244-250.	10.3	11
125	Large-sized Î±-MoO3 layered single crystals for superior NO2 gas sensing. Applied Surface Science, 2022, 586, 152793.	6.1	11
126	Highly Sensitive NO2 Gas Sensors Based on MoS2@MoO3 Magnetic Heterostructure. Nanomaterials, 2022, 12, 1303.	4.1	11

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127	Probing the interaction at the C60â€“SiC nanomesh interface. Surface Science, 2007, 601, 2994-3002.	1.9	10
128	Band-Bending at the Grapheneâ€“SiC Interfaces: Effect of the Substrate. Japanese Journal of Applied Physics, 2010, 49, 01AH05.	1.5	10
129	Quantitative study of spin relaxation in rubrene thin films by inverse spin Hall effect. Applied Physics Letters, 2019, 115, 053301.	3.3	10
130	The supramolecular structure and van der Waals interactions affect the electronic structure of ferrocenyl-alkanethiolate SAMs on gold and silver electrodes. Nanoscale Advances, 2019, 1, 1991-2002.	4.6	10
131	Shielding copper atoms by distortion of phthalocyanine ring on Si(111). Surface Science, 2007, 601, 4212-4216.	1.9	9
132	Modification of PTCDA/Co Interfacial Electronic Structures Using Alq₃ Buffer Layer. Journal of Physical Chemistry C, 2013, 117, 25636-25642.	3.1	9
133	Orbital dependent ultrafast charge transfer dynamics of ferrocenyl-functionalized SAMs on gold studied by core-hole clock spectroscopy. Journal of Physics Condensed Matter, 2016, 28, 094006.	1.8	9
134	Bi-stable electronic states of cobalt phthalocyanine molecules on two-dimensional vanadium diselenide. Applied Materials Today, 2020, 18, 100535.	4.3	9
135	Flexible sensors based on hybrid materials. Journal of Semiconductors, 2020, 41, 040402.	3.7	9
136	High resolution electron energy loss and X-ray near edge absorption spectroscopic studies of diamond film functionalised with allyl alcohol. Diamond and Related Materials, 2006, 15, 711-715.	3.9	7
137	Tuning the electron injection barrier between Co and C60 using Alq3 buffer layer. Journal of Applied Physics, 2010, 108, .	2.5	7
138	Crystal Symmetry Engineering in Epitaxial Perovskite Superlattices. Advanced Functional Materials, 2021, 31, 2106466.	14.9	7
139	Engineering the spinâ€“orbit interaction in surface conducting diamond with a solid-state gate dielectric. Applied Physics Letters, 2020, 116, .	3.3	6
140	Creating thin magnetic layers at the surface of Sb2Te3 topological insulators using a low-energy chromium ion beam. Applied Physics Letters, 2020, 116, .	3.3	6
141	Switching of the mechanism of charge transport induced by phase transitions in tunnel junctions with large biomolecular cages. Journal of Materials Chemistry C, 2021, 9, 10768-10776.	5.5	6
142	Hydrogen-Terminated Diamond MOSFETs Using Ultrathin Glassy Ga₂O₃ Dielectric Formed by Low-Temperature Liquid Metal Printing Method. ACS Applied Electronic Materials, 2022, 4, 2272-2280.	4.3	6
143	Synthesis and characterization of the regiorandom homopolymer of 3-alkyldithieno[3,2-b:2â€²,3â€²-d]thiophene for thin-film transistors. Polymer Chemistry, 2015, 6, 459-465.	3.9	5
144	Defects controlled doping and electrical transport in TiS2 single crystals. Applied Physics Letters, 2020, 116, .	3.3	5

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145	Surface transfer doping of diamond using solution-processed molybdenum trioxide. Carbon, 2021, 175, 20-26.	10.3	5
146	MAXâ€phase Derived Tin Diselenide for 2D/2D Heterostructures with Ultralow Surface/Interface Transport Barriers toward Liâ€/Naâ€ions Storage. Small Methods, 2022, 6, .	8.6	5
147	Surface phase transition of Cu/Si(1â€‰1â€‰1)-(5 Ã— 5) by scanning tunnelling microscopy and photoemission study. Journal Physics D: Applied Physics, 2008, 41, 095306.	2.8	4
148	Fast and cost-effective room temperature synthesis of high quality graphene oxide with excellent structural intactness. Sustainable Materials and Technologies, 2020, 25, e00198.	3.3	4
149	Etching characteristics for tracks of carbon cluster ions in polycarbonate. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 621-626.	1.4	3
150	Effects and thermal stability of hydrogen microwave plasma treatment on tetrahedral amorphous carbon films by in situ ultraviolet photoelectron spectroscopy. Journal of Applied Physics, 2009, 106, 024901.	2.5	3
151	NEXAFS Studies of Molecular Orientations at Molecule-Substrate Interfaces. , 2013, , 119-151.		3
152	Is Charge-Transfer Doping Possible at the Interfaces of Monolayer VSe₂ with MoO₃ and K?. ACS Applied Materials & Interfaces, 2019, 11, 43789-43795.	8.0	3
153	A two-dimensional metallosupramolecular framework design based on coordination crosslinking of helical oligoamide nanorods. Materials Advances, 2020, 1, 1134-1141.	5.4	3
154	On-Surface Synthesis of Nitrogen-Substituted Gold-Phosphorus Porous Network. Chemistry of Materials, 2020, 32, 8561-8566.	6.7	3
155	Bipolar Conduction and Giant Positive Magnetoresistance in Doped Metallic Titanium Oxide Heterostructures. Advanced Materials Interfaces, 2021, 8, 2002147.	3.7	2
156	Energy-Level Alignment and Orbital-Selective Femtosecond Charge Transfer Dynamics of Redox-Active Molecules on Au, Ag, and Pt Metal Surfaces. Journal of Physical Chemistry C, 2021, 125, 18474-18482.	3.1	2
157	Reversible modulation of metalâ€“insulator transition in VO2 via chemically induced oxygen migration. Applied Physics Letters, 2021, 119, 133102.	3.3	2
158	Prolonged lifetime of polymer solar cells with amphiphilic monolayers modified cathodes. Organic Electronics, 2017, 49, 368-374.	2.6	1
159	CHARACTERIZATION OF ELECTRONIC STRUCTURES AT ORGANICâ€“2D MATERIALS INTERFACES WITH ADVANCED SYNCHROTRON-BASED SOFT X-RAY SPECTROSCOPY. Surface Review and Letters, 2021, 28, 2140009.	1.1	1
160	Interfacial electronic structures at Fe/pentacene/Fe interfaces. Diamond Light Source Proceedings, 2011, 1, .	0.1	0
161	Transparent Electrodes: Ultrasonic Spray Pyrolysis of Antimonyâ€Doped Tin Oxide Transparent Conductive Coatings (Adv. Mater. Interfaces 18/2020). Advanced Materials Interfaces, 2020, 7, 2070104.	3.7	0
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