Mathieu G Silly

List of Publications by Year
in descending order

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135	4,557	81900	123424
papers	citations	39 h-index	61 g-index

136	136	136	6872
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Band Alignment and Minigaps in Monolayer MoS₂-Graphene van der Waals Heterostructures. Nano Letters, 2016, 16, 4054-4061.	9.1	288
2	A colloidal quantum dot infrared photodetector and its use for intraband detection. Nature Communications, 2019, 10, 2125.	12.8	155
3	van der Waals Epitaxy of GaSe/Graphene Heterostructure: Electronic and Interfacial Properties. ACS Nano, 2016, 10, 9679-9686.	14.6	154
4	Luminescence properties of hexagonal boron nitride: Cathodoluminescence and photoluminescence spectroscopy measurements. Physical Review B, 2007, 75, .	3.2	136
5	Nanochemistry at the atomic scale revealed in hydrogen-induced semiconductor surface metallization. Nature Materials, 2003, 2, 253-258.	27.5	125
6	Valence Electron Photoemission Spectrum of Semiconductors:AbÂInitioDescription of Multiple Satellites. Physical Review Letters, 2011, 107, 166401.	7.8	120
7	Formation of one-dimensional self-assembled silicon nanoribbons on Au(110)-(2â€‰Ã—â€‰1). Applied Physics Letters, 2013, 102, .	3.3	116
8	Tunable quasiparticle band gap in few-layer GaSe/graphene van der Waals heterostructures. Physical Review B, 2017, 96, .	3.2	99
9	Large-Area and High-Quality Epitaxial Graphene on Off-Axis SiC Wafers. ACS Nano, 2012, 6, 6075-6082.	14.6	97
10	Epitaxial Graphene on 4H-SiC(0001) Grown under Nitrogen Flux: Evidence of Low Nitrogen Doping and High Charge Transfer. ACS Nano, 2012, 6, 10893-10900.	14.6	95
11	A greener route to photoelectrochemically active PbS nanoparticles. Journal of Materials Chemistry, 2010, 20, 2336.	6.7	93
12	Internal Structure of InP/ZnS Nanocrystals Unraveled by High-Resolution Soft X-ray Photoelectron Spectroscopy. ACS Nano, 2010, 4, 4799-4805.	14.6	93
13	Evidence for Flat Bands near the Fermi Level in Epitaxial Rhombohedral Multilayer Graphene. ACS Nano, 2015, 9, 5432-5439.	14.6	92
14	Tunable Doping in Hydrogenated Single Layered Molybdenum Disulfide. ACS Nano, 2017, 11, 1755-1761.	14.6	86
15	TEMPO: a New Insertion Device Beamline at SOLEIL for Time Resolved Photoelectron Spectroscopy Experiments on Solids and Interfaces. AIP Conference Proceedings, 2010, , .	0.4	84
16	Electronic and surface properties of PbS nanoparticles exhibiting efficient multiple exciton generation. Physical Chemistry Chemical Physics, 2011, 13, 20275.	2.8	76
17	Time-resolved photoelectron spectroscopy using synchrotron radiation time structure. Journal of Synchrotron Radiation, 2011, 18, 245-250.	2.4	67
18	Direct observation of the band structure in bulk hexagonal boron nitride. Physical Review B, 2017, 95, .	3.2	65

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19	Optical limiting in the redâ€“NIR range with soluble two-photon absorbing molecules. Chemical Physics Letters, 2003, 379, 74-80.	2.6	64
20	Hydrogen-Induced Surface Metallization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mn>001</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 687 Td (stretchy="false">)</mm	7.8	64
21	Electronic band structure of Two-Dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> /Graphene van der Waals Heterostructures. Physical Review B, 2018, 97, .	3.2	63
22	Atomically Sharp Interface in an h-BN-epitaxial graphene van der Waals Heterostructure. Scientific Reports, 2015, 5, 16465.	3.3	62
23	Structural coherency of epitaxial graphene on 3Câ€“SiC(111) epilayers on Si(111). Applied Physics Letters, 2010, 97, .	3.3	61
24	Time-resolved surface photovoltage measurements at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-type photovoltaic surfaces: Si(111) and ZnO(10<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mover) Tj ETQq0 0 0 rgBT /Overlock 10	3.2	61
25	Review B, 2013, 88, . Intraband Mid-Infrared Transitions in Ag₂Se Nanocrystals: Potential and Limitations for Hg-Free Low-Cost Photodetection. Journal of Physical Chemistry C, 2018, 122, 18161-18167.	3.1	59
26	Epitaxial graphene on 3C-SiC(111) pseudosubstrate: Structural and electronic properties. Physical Review B, 2010, 82, .	3.2	57
27	Interface dipole and band bending in the hybrid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mo>â^’</mml:mo><mml:mi>n</mml:mi> heterojunction <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>GaN</mml:mi><mml:mrow> < Physical Review B, 2017, 96, .	3.2	57
28	Hysteresis and change of transition temperature in thin films of Fe{[Me2Pyrz]3BH}2, a new sublimable spin-crossover molecule. Journal of Chemical Physics, 2015, 142, 194702.	3.0	56
29	HgTe Nanocrystals for SWIR Detection and Their Integration up to the Focal Plane Array. ACS Applied Materials & Interfaces, 2019, 11, 33116-33123.	8.0	53
30	Van der Waals epitaxy of two-dimensional single-layer h-BN on graphite by molecular beam epitaxy: Electronic properties and band structure. Applied Physics Letters, 2018, 112, .	3.3	50
31	Design of a Unipolar Barrier for a Nanocrystal-Based Short-Wave Infrared Photodiode. ACS Photonics, 2018, 5, 4569-4576.	6.6	49
32	Short Wave Infrared Devices Based on HgTe Nanocrystals with Air Stable Performances. Journal of Physical Chemistry C, 2018, 122, 14979-14985.	3.1	49
33	Charge Dynamics and Optolectronic Properties in HgTe Colloidal Quantum Wells. Nano Letters, 2017, 17, 4067-4074.	9.1	48
34	Doping as a Strategy to Tune Color of 2D Colloidal Nanoplatelets. ACS Applied Materials & Interfaces, 2019, 11, 10128-10134.	8.0	48
35	Valence band inversion and spin-orbit effects in the electronic structure of monolayer GaSe. Physical Review B, 2018, 98, .	3.2	47
36	Flower-Shaped Domains and Wrinkles in Trilayer Epitaxial Graphene on Silicon Carbide. Scientific Reports, 2014, 4, 4066.	3.3	45

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37	Electrolytic phototransistor based on graphene-MoS2 van der Waals p-n heterojunction with tunable photoresponse. Applied Physics Letters, 2016, 109, .	3.3	41
38	Interface electronic structure in a metal/ferroelectric heterostructure under applied bias. Physical Review B, 2013, 87, .	3.2	40
39	HgSe Self-Doped Nanocrystals as a Platform to Investigate the Effects of Vanishing Confinement. ACS Applied Materials & Interfaces, 2017, 9, 36173-36180.	8.0	40
40	Multiple satellites in materials with complex plasmon spectra: From graphite to graphene. Physical Review B, 2014, 89, .	3.2	38
41	Cation Depth-Distribution at Alkali Halide Aqueous Solution Surfaces. Journal of Physical Chemistry C, 2015, 119, 9253-9259.	3.1	37
42	Epitaxy of SrTiO₃ on Silicon: The Knitting Machine Strategy. Chemistry of Materials, 2016, 28, 5347-5355.	6.7	37
43	Probing Charge Carrier Dynamics to Unveil the Role of Surface Ligands in HgTe Narrow Band Gap Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 859-865.	3.1	37
44	Carbon contamination of soft X-ray beamlines: dramatic anti-reflection coating effects observed inÂthe 1â€…keV photon energy region. Journal of Synchrotron Radiation, 2011, 18, 761-764.	2.4	35
45	Epitaxial graphene on single domain 3C-SiC(100) thin films grown on off-axis Si(100). Applied Physics Letters, 2012, 101, .	3.3	35
46	Temperature-Triggered Sequential On-Surface Synthesis of One and Two Covalently Bonded Porous Organic Nanoarchitectures on Au(111). Journal of Physical Chemistry C, 2017, 121, 26815-26821.	3.1	32
47	The passivating effect of cadmium in PbS/CdS colloidal quantum dots probed by nm-scale depth profiling. Nanoscale, 2017, 9, 6056-6067.	5.6	29
48	Electroluminescence from HgTe Nanocrystals and Its Use for Active Imaging. Nano Letters, 2020, 20, 6185-6190.	9.1	28
49	Isolated Silicon Dangling Bonds on a Water-Saturated n⁺-Doped Si(001)-2 Ã— 1 Surface: An XPS and STM Study. Journal of Physical Chemistry C, 2011, 115, 7686-7693.	3.1	27
50	Plasmon satellites in valence-band photoemission spectroscopy. European Physical Journal B, 2012, 85, 1.	1.5	27
51	Electronic and structural properties of graphene-based metal-semiconducting heterostructures engineered by silicon intercalation. Carbon, 2014, 76, 27-39.	10.3	27
52	The Electronic Structure of Saturated NaCl and NaI Solutions in Contact with a Gold Substrate. Topics in Catalysis, 2016, 59, 605-620.	2.8	27
53	Triethylamine on Si(001)-(2 Ã— 1) at 300 K: Molecular Adsorption and Site Configurations Leading to Dissociation. Journal of Physical Chemistry C, 2012, 116, 16473-16486.	3.1	26
54	Electronic structure of the hydrogen-adsorbed SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(001) surface studied by polarization-dependent photoemission spectroscopy. Physical Review B, 2013, 87, .	3.2	25

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55	Relaxations of the surface photovoltage effect on the atomically controlled semiconductor surfaces studied by time-resolved photoemission spectroscopy. Physical Review B, 2013, 88, .	3.2	25
56	Evidence for a narrow band gap phase in 1Tâ€² WS2 nanosheet. Applied Physics Letters, 2019, 115, .	3.3	25
57	Electroluminescence from nanocrystals above 2â€‰Âµm. Nature Photonics, 2022, 16, 38-44.	31.4	25
58	Charge dynamics at heterojunctions for PbS/ZnO colloidal quantum dot solar cells probed with time-resolved surface photovoltage spectroscopy. Applied Physics Letters, 2016, 108, .	3.3	24
59	Wave-Function Engineering in HgSe/HgTe Colloidal Heterostructures To Enhance Mid-infrared Photoconductive Properties. Nano Letters, 2018, 18, 4590-4597.	9.1	24
60	Self-organized metal-semiconductor epitaxial graphene layer on off-axis 4H-SiC(0001). Nano Research, 2015, 8, 1026-1037.	10.4	23
61	High Electron Mobility in Epitaxial Trilayer Graphene on Off-axis SiC(0001). Scientific Reports, 2016, 6, 18791.	3.3	23
62	Band Edge Dynamics and Multiexciton Generation in Narrow Band Gap HgTe Nanocrystals. ACS Applied Materials & Interfaces, 2018, 10, 11880-11887.	8.0	23
63	Nitrogen<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:math>NEXAFS and XPS spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>NH</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>/Si(001)-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mo>Ã—</mml:mo><m. Physical Review B, 2009, 7	3.2	22
64	Edge state in epitaxial nanographene on 3C-SiC(100)/Si(100) substrate. Applied Physics Letters, 2013, 103, .	3.3	22
65	Silicon sheets by redox assisted chemical exfoliation. Journal of Physics Condensed Matter, 2013, 25, 442001.	1.8	22
66	Multiphoton<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>k</mml:mi></mml:math>-resolved photoemission from gold surface states with 800-nm femtosecond laser pulses. Physical Review B, 2014, 90, .	3.2	22
67	Electronic structure of CdSe-ZnS 2D nanoplatelets. Applied Physics Letters, 2017, 110, .	3.3	21
68	The survival of glycine in interstellar ices: A coupled investigation using NEXAFS experiments and theoretical calculations. International Journal of Quantum Chemistry, 2011, 111, 1163-1171.	2.0	20
69	Dynamics in next-generation solar cells: time-resolved surface photovoltage measurements of quantum dots chemically linked to ZnO (101Ì„0). Faraday Discussions, 2014, 171, 275-298.	3.2	20
70	Stacking fault and defects in single domain multilayered hexagonal boron nitride. Applied Physics Letters, 2017, 110, .	3.3	20
71	Possible survival of simple amino acids to X-ray irradiation in ice: the case of glycine. Astronomy and Astrophysics, 2013, 552, A100.	5.1	19
72	Strategy to overcome recombination limited photocurrent generation in CsPbX3 nanocrystal arrays. Applied Physics Letters, 2018, 112, .	3.3	19

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73	Oxidation of Small Supported Platinum-based Nanoparticles Under Near-Ambient Pressure Exposure to Oxygen. Topics in Catalysis, 2016, 59, 550-563.	2.8	18
74	Pumpâ˜probe experiments at the TEMPO beamline using the low-Î± operation mode of Synchrotron SOLEIL. Journal of Synchrotron Radiation, 2017, 24, 886-897.	2.4	18
75	Impact of dimensionality and confinement on the electronic properties of mercury chalcogenide nanocrystals. Nanoscale, 2019, 11, 3905-3915.	5.6	18
76	Pushing Absorption of Perovskite Nanocrystals into the Infrared. Nano Letters, 2020, 20, 3999-4006.	9.1	18
77	Single step fabrication of N-doped graphene/Si3N4/SiC heterostructures. Nano Research, 2014, 7, 835-843.	10.4	17
78	Chemically-specific time-resolved surface photovoltage spectroscopy: Carrier dynamics at the interface of quantum dots attached to a metal oxide. Surface Science, 2015, 641, 320-325.	1.9	17
79	Hydrogen-induced metallization of a preoxidized 3C-SiC(100)3Ã—2 surface. Applied Physics Letters, 2004, 85, 4893-4895.	3.3	16
80	Atomic and electronic structure of trilayer graphene/SiC(0001): Evidence of Strong Dependence on Stacking Sequence and charge transfer. Scientific Reports, 2016, 6, 33487.	3.3	16
81	Polyoxometalate as Control Agent for the Doping in HgSe Self-Doped Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 26680-26685.	3.1	16
82	Initial oxide/SiC interface formation on C-terminated Î²-SiC(100) c(2Ã—2) and graphitic C-rich Î²-SiC(100) 1Ã—1 surfaces. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 2226.	1.6	15
83	X3 synthon geometries in two-dimensional halogen-bonded 1,3,5-tris(3,5-dibromophenyl)benzene self-assembled nanoarchitectures on Au(111)-(). Physical Chemistry Chemical Physics, 2018, 20, 3918-3924.	2.8	14
84	Optimized Cation Exchange for Mercury Chalcogenide 2D Nanoplatelets and Its Application for Alloys. Chemistry of Materials, 2021, 33, 9252-9261.	6.7	14
85	Thermal effects in Raman spectra of hexagonal boron nitride and nanotube-containing boron nitride soot. Physica Status Solidi (B): Basic Research, 2006, 243, 3316-3319.	1.5	13
86	Preventing carbon contamination of optical devices for X-rays: the effect of oxygen on photon-induced dissociation of CO on platinum. Journal of Synchrotron Radiation, 2012, 19, 570-573.	2.4	13
87	Chemical and kinetic insights into the Thermal Decomposition of an Oxide Layer on Si(111) from Millisecond Photoelectron Spectroscopy. Scientific Reports, 2017, 7, 14257.	3.3	13
88	HgTe Nanocrystal-Based Photodiode for Extended Short-Wave Infrared Sensing with Optimized Electron Extraction and Injection. ACS Applied Nano Materials, 2022, 5, 8602-8611.	5.0	13
89	The electronic properties of mixed valence hydrated europium chloride thin film. Physical Chemistry Chemical Physics, 2015, 17, 18403-18412.	2.8	12
90	Time-Resolved Photoemission to Unveil Electronic Coupling between Absorbing and Transport Layers in a Quantum Dot-Based Solar Cell. Journal of Physical Chemistry C, 2020, 124, 23400-23409.	3.1	12

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91	Evidence for highly p-type doping and type II band alignment in large scale monolayer WSe₂/Se-terminated GaAs heterojunction grown by molecular beam epitaxy. Nanoscale, 2022, 14, 5859-5868.	5.6	12
92	Lanthanum diffusion in the TiN/LaOx/HfSiO/SiO2/Si stack. Microelectronic Engineering, 2011, 88, 1349-1352.	2.4	11
93	Correlated plasmons in the topological insulator Bi2Se3 induced by long-range electron correlations. NPG Asia Materials, 2020, 12, .	7.9	11
94	Negative differential resistance at Agâ•Si nanowires on silicon carbide: From a passive to an active massively parallel architecture. Applied Physics Letters, 2007, 91, 223111.	3.3	10
95	Ene-like Reaction of Cyclopentene on Si(001)-2 Ã— 1: An XPS and NEXAFS Study. Journal of Physical Chemistry C, 2012, 116, 12680-12686.	3.1	10
96	Hydrogen-induced nanotunnel opening within semiconductor subsurface. Nature Communications, 2013, 4, .	12.8	10
97	Investigation of structural and electronic properties of epitaxial graphene on 3C–SiC(100)/Si(100) substrates. Nanotechnology, Science and Applications, 2014, 7, 85.	4.6	10
98	GaAs Core/SrTiO₃ Shell Nanowires Grown by Molecular Beam Epitaxy. Nano Letters, 2016, 16, 2393-2399.	9.1	10
99	Energy-Level Alignment of a Hole-Transport Organic Layer and ITO: Toward Applications for Organic Electronic Devices. ACS Applied Materials & Interfaces, 2017, 9, 30992-31004.	8.0	10
100	Revealing the Band Structure of FAPI Quantum Dot Film and Its Interfaces with Electron and Hole Transport Layer Using Time Resolved Photoemission. Journal of Physical Chemistry C, 2020, 124, 3873-3880.	3.1	10
101	Benzaldehyde on Water-Saturated Si(001): Reaction with Isolated Silicon Dangling Bonds versus Concerted Hydrosilylation. Journal of Physical Chemistry C, 2014, 118, 10005-10016.	3.1	9
102	2D Monolayer of the 1Tâ€™ Phase of Alloyed WSSe from Colloidal Synthesis. Journal of Physical Chemistry C, 2021, 125, 11058-11065.	3.1	9
103	Laser-Based Diagnostics Applied to the Study of BN Nanotubes Synthesis. Journal of Nanoscience and Nanotechnology, 2008, 8, 6129-6140.	0.9	8
104	Colorando Auro: contribution to the understanding of a medieval recipe to colour gilded silver plates. Applied Physics A: Materials Science and Processing, 2013, 111, 39-46.	2.3	8
105	Atomic oxidation of large area epitaxial graphene on 4H-SiC(0001). Applied Physics Letters, 2014, 104, 093109.	3.3	8
106	Charge Transfer and Energy Level Alignment at the Interface between Cyclopentene-Modified Si(001) and Tetracyanoquinodimethane. Journal of Physical Chemistry C, 2014, 118, 22499-22508.	3.1	8
107	Oxidation of the 8 Ã— 8-reconstructed Î²-Si3N4(0 0 0 1) surface: A photoemission study. Applied Surface Science, 2015, 355, 93-97.	6.1	8
108	Ge/SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(001) interface probed by soft x-ray synchrotron-radiation time-resolved photoemission. Physical Review B, 2012, 85, .	3.2	7

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109	In-situ formation of SiC nanocrystals by high temperature annealing of SiO2/Si under CO: A photoemission study. Surface Science, 2012, 606, 697-701.	1.9	7
110	Electronic properties of zeroâ€layer graphene on 6Hâ€SiC(0001) substrate decoupled by silicon intercalation. Surface and Interface Analysis, 2014, 46, 1273-1277.	1.8	7
111	Commissioning of a multi-beamline femtoslicing facility at SOLEIL. Journal of Synchrotron Radiation, 2018, 25, 385-398.	2.4	7
112	Origin of the two-dimensional electron gas at the CdO (100) surface. Physical Review B, 2019, 99, .	3.2	7
113	Understanding reversal effects of metallic aluminum introduced in HfSiON/TiN PMOSFETs. Microelectronic Engineering, 2011, 88, 1305-1308.	2.4	6
114	Evidence of Mixed-Valence Hydrated Europium-Chloride Phase in Vacuum by Means of Optical and Electronic Spectroscopies. Journal of Physical Chemistry C, 2013, 117, 9766-9771.	3.1	6
115	A Synchrotron Radiation X-ray Photoemission Spectroscopy Study of n-Propyltriethoxysilane Adsorption on Si(001)-2 Ã— 1 at Room Temperature. Journal of Physical Chemistry C, 2010, 114, 21450-21456.	3.1	5
116	Electronic coupling in the F4-TCNQ/single-layer GaSe heterostructure. Physical Review Materials, 2019, 3, .	2.4	5
117	High oxidation state at the epitaxial interface of Î³-Al2O3 thin films grown on Si(111) and Si(001). Applied Physics Letters, 2010, 97, .	3.3	4
118	Probing ultrafast dynamics in electronic structure of epitaxial Gd(0001) on W(110). Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 40-45.	1.7	4
119	Nanoscale physics and defect state chemistry at amorphous-Si/In0.53Ga0.47As interfaces. Journal Physics D: Applied Physics, 2014, 47, 055101.	2.8	4
120	Dissociation of Ethoxysilane and Methoxysilane on Si(001)-2 Ã— 1 and Si(111)-7 Ã— 7 at Room Temperature: A Comparative Study Using Synchrotron Radiation Photoemission. Journal of Physical Chemistry C, 2014, 118, 24397-24406.	3.1	4
121	Gas-induced selective re-orientation of Auâ€“Cu nanoparticles on TiO₂ (110). Nanoscale, 2019, 11, 752-761.	5.6	4
122	Azobenzenes as Light-Activable Carrier Density Switches in Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 27257-27263.	3.1	3
123	Biphenyl derivatives with enhanced nonlinear absorptivities for optical limiting applications. , 2003, 4797, 15.		2
124	Ge/SrTiO3(001): Correlation between interface chemistry and crystallographic orientation. Journal of Applied Physics, 2012, 112, .	2.5	2
125	Soft X-ray photoemission study of nitrogen diffusion in TiN/HfO:N gate stacks. Applied Surface Science, 2012, 258, 2107-2112.	6.1	2
126	Time-resolved photoemission spectroscopy on a metal/ferroelectric heterostructure. Physical Review B, 2013, 88, .	3.2	2

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127	Observation of an e-derived metallic band at the Cs/SrTiO3 interface by polarization-dependent photoemission spectroscopy. Thin Solid Films, 2016, 603, 149-153.	1.8	2
128	Time resolved resonant photoemission study of energy level alignment at donor/acceptor interfaces. Chemical Physics Letters, 2017, 683, 135-139.	2.6	2
129	A photoemission spectroscopy study of the initial oxidation of epitaxial fcc and bcc Fe films grown on Cu(100). Thin Solid Films, 2017, 636, 567-572.	1.8	2
130	Surface band bending and carrier dynamics in colloidal quantum dot solids. Nanoscale, 2021, 13, 17793-17806.	5.6	2
131	Phthalocyanine reactivity and interaction on the 6H-SiC(0001)-(3 Ã— 3) surface investigated by core-level experiments and simulations. Physical Chemistry Chemical Physics, 2022, 24, 14937-14946.	2.8	2
132	2-Butyne on Si(001) at room temperature: An XPS and NEXAFS study. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 323-326.	1.7	1
133	(Invited) Physical and Electrical Properties of Scaled Gate Stacks on Si/Passivated In0.53Ga0.47As. ECS Transactions, 2013, 58, 369-378.	0.5	1
134	Surface Photovoltage dynamics at passivated silicon surfaces: influence of substrate doping and surface termination. Faraday Discussions, 2022, , .	3.2	1
135	Space charge effects occurring during fast demagnetization processes. Springer Proceedings in Physics, 2015, , 313-316.	0.2	0