

# Mathieu G Silly

## List of Publications by Year in descending order

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135  
papers

4,557  
citations

81839

39  
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123376

61  
g-index

136  
all docs

136  
docs citations

136  
times ranked

6872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band Alignment and Minigaps in Monolayer MoS <sub>2</sub> -Graphene van der Waals Heterostructures. Nano Letters, 2016, 16, 4054-4061.	4.5	288
2	A colloidal quantum dot infrared photodetector and its use for intraband detection. Nature Communications, 2019, 10, 2125.	5.8	155
3	van der Waals Epitaxy of GaSe/Graphene Heterostructure: Electronic and Interfacial Properties. ACS Nano, 2016, 10, 9679-9686.	7.3	154
4	Luminescence properties of hexagonal boron nitride: Cathodoluminescence and photoluminescence spectroscopy measurements. Physical Review B, 2007, 75, .	1.1	136
5	Nanochemistry at the atomic scale revealed in hydrogen-induced semiconductor surface metallization. Nature Materials, 2003, 2, 253-258.	13.3	125
6	Valence Electron Photoemission Spectrum of Semiconductors: <i>Ab Initio</i> Description of Multiple Satellites. Physical Review Letters, 2011, 107, 166401.	2.9	120
7	Formation of one-dimensional self-assembled silicon nanoribbons on Au(110)-(2×1). Applied Physics Letters, 2013, 102, .	1.5	116
8	Tunable quasiparticle band gap in few-layer GaSe/graphene van der Waals heterostructures. Physical Review B, 2017, 96, .	1.1	99
9	Large-Area and High-Quality Epitaxial Graphene on Off-Axis SiC Wafers. ACS Nano, 2012, 6, 6075-6082.	7.3	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.	7.3	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.	7.3	93
13	Evidence for Flat Bands near the Fermi Level in Epitaxial Rhombohedral Multilayer Graphene. ACS Nano, 2015, 9, 5432-5439.	7.3	92
14	Tunable Doping in Hydrogenated Single Layered Molybdenum Disulfide. ACS Nano, 2017, 11, 1755-1761.	7.3	86
15	TEMPO: a New Insertion Device Beamline at SOLEIL for Time Resolved Photoelectron Spectroscopy Experiments on Solids and Interfaces. AIP Conference Proceedings, 2010, , .	0.3	84
16	Electronic and surface properties of PbS nanoparticles exhibiting efficient multiple exciton generation. Physical Chemistry Chemical Physics, 2011, 13, 20275.	1.3	76
17	Time-resolved photoelectron spectroscopy using synchrotron radiation time structure. Journal of Synchrotron Radiation, 2011, 18, 245-250.	1.0	67
18	Direct observation of the band structure in bulk hexagonal boron nitride. Physical Review B, 2017, 95, .	1.1	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.	1.2	64
20	Hydrogen-Induced Surface Metallization of $\text{SrTiO}_3$ / Graphene van der Waals Heterostructures. Physical Review B, 2018, 97, .	2.9	64
21	Electronic band structure of Two-Dimensional $\text{WS}_2$ / Graphene van der Waals Heterostructures. Physical Review B, 2018, 97, .	1.1	63
22	Atomically Sharp Interface in an h-BN-epitaxial graphene van der Waals Heterostructure. Scientific Reports, 2015, 5, 16465.	1.6	62
23	Structural coherency of epitaxial graphene on 3Câ€SiC(111) epilayers on Si(111). Applied Physics Letters, 2010, 97, .	1.5	61
24	Time-resolved surface photovoltage measurements at $\text{Si}(111)$ and $\text{ZnO}(10\bar{1}0)$ type photovoltaic surfaces: $\text{Si}(111)$ and $\text{ZnO}(10\bar{1}0)$ / Review B, 2013, 88, .	1.1	61
25	Intraband Mid-Infrared Transitions in $\text{Ag}_2\text{Se}$ Nanocrystals: Potential and Limitations for Hg-Free Low-Cost Photodetection. Journal of Physical Chemistry C, 2018, 122, 18161-18167.	1.5	59
26	Epitaxial graphene on 3C-SiC(111) pseudosubstrate: Structural and electronic properties. Physical Review B, 2010, 82, .	1.1	57
27	Interface dipole and band bending in the hybrid $\text{MoS}_2/\text{GaN}$ heterojunction. Physical Review B, 2017, 96, .	1.1	57
28	Hysteresis and change of transition temperature in thin films of $\text{Fe}\{\text{[Me}_2\text{Pyrz]}_3\text{BH}\}_2$ , a new sublimable spin-crossover molecule. Journal of Chemical Physics, 2015, 142, 194702.	1.2	56
29	HgTe Nanocrystals for SWIR Detection and Their Integration up to the Focal Plane Array. ACS Applied Materials & Interfaces, 2019, 11, 33116-33123.	4.0	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, .	1.5	50
31	Design of a Unipolar Barrier for a Nanocrystal-Based Short-Wave Infrared Photodiode. ACS Photonics, 2018, 5, 4569-4576.	3.2	49
32	Short Wave Infrared Devices Based on HgTe Nanocrystals with Air Stable Performances. Journal of Physical Chemistry C, 2018, 122, 14979-14985.	1.5	49
33	Charge Dynamics and Optoelectronic Properties in HgTe Colloidal Quantum Wells. Nano Letters, 2017, 17, 4067-4074.	4.5	48
34	Doping as a Strategy to Tune Color of 2D Colloidal Nanoplatelets. ACS Applied Materials & Interfaces, 2019, 11, 10128-10134.	4.0	48
35	Valence band inversion and spin-orbit effects in the electronic structure of monolayer GaSe. Physical Review B, 2018, 98, .	1.1	47
36	Flower-Shaped Domains and Wrinkles in Trilayer Epitaxial Graphene on Silicon Carbide. Scientific Reports, 2014, 4, 4066.	1.6	45

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37	Electrolytic phototransistor based on graphene-MoS <sub>2</sub> van der Waals p-n heterojunction with tunable photoresponse. Applied Physics Letters, 2016, 109, .	1.5	41
38	Interface electronic structure in a metal/ferroelectric heterostructure under applied bias. Physical Review B, 2013, 87, .	1.1	40
39	HgSe Self-Doped Nanocrystals as a Platform to Investigate the Effects of Vanishing Confinement. ACS Applied Materials & Interfaces, 2017, 9, 36173-36180.	4.0	40
40	Multiple satellites in materials with complex plasmon spectra: From graphite to graphene. Physical Review B, 2014, 89, .	1.1	38
41	Cation Depth-Distribution at Alkali Halide Aqueous Solution Surfaces. Journal of Physical Chemistry C, 2015, 119, 9253-9259.	1.5	37
42	Epitaxy of SrTiO <sub>3</sub> on Silicon: The Knitting Machine Strategy. Chemistry of Materials, 2016, 28, 5347-5355.	3.2	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.	1.5	37
44	Carbon contamination of soft X-ray beamlines: dramatic anti-reflection coating effects observed in the 1-10 keV photon energy region. Journal of Synchrotron Radiation, 2011, 18, 761-764.	1.0	35
45	Epitaxial graphene on single domain 3C-SiC(100) thin films grown on off-axis Si(100). Applied Physics Letters, 2012, 101, .	1.5	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.	1.5	32
47	The passivating effect of cadmium in PbS/CdS colloidal quantum dots probed by nm-scale depth profiling. Nanoscale, 2017, 9, 6056-6067.	2.8	29
48	Electroluminescence from HgTe Nanocrystals and Its Use for Active Imaging. Nano Letters, 2020, 20, 6185-6190.	4.5	28
49	Isolated Silicon Dangling Bonds on a Water-Saturated n-Doped Si(001)-(2 × 1) Surface: An XPS and STM Study. Journal of Physical Chemistry C, 2011, 115, 7686-7693.	1.5	27
50	Plasmon satellites in valence-band photoemission spectroscopy. European Physical Journal B, 2012, 85, 1.	0.6	27
51	Electronic and structural properties of graphene-based metal-semiconducting heterostructures engineered by silicon intercalation. Carbon, 2014, 76, 27-39.	5.4	27
52	The Electronic Structure of Saturated NaCl and NaI Solutions in Contact with a Gold Substrate. Topics in Catalysis, 2016, 59, 605-620.	1.3	27
53	Triethylamine on Si(001)-(2 × 1) at 300 K: Molecular Adsorption and Site Configurations Leading to Dissociation. Journal of Physical Chemistry C, 2012, 116, 16473-16486.	1.5	26
54	Electronic structure of the hydrogen-adsorbed SrTiO <sub>3</sub> (001) surface studied by polarization-dependent photoemission spectroscopy. Physical Review B, 2013, 87, .	1.1	25

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55	Relaxations of the surface photovoltage effect on the atomically controlled semiconductor surfaces studied by time-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2013, 88, .	1.1	25
56	Evidence for a narrow band gap phase in 1Tâ€² WS2 nanosheet. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	25
57	Electroluminescence from nanocrystals above 2â€‰%â€‰. <i>Nature Photonics</i> , 2022, 16, 38-44.	15.6	25
58	Charge dynamics at heterojunctions for PbS/ZnO colloidal quantum dot solar cells probed with time-resolved surface photovoltage spectroscopy. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	24
59	Wave-Function Engineering in HgSe/HgTe Colloidal Heterostructures To Enhance Mid-infrared Photoconductive Properties. <i>Nano Letters</i> , 2018, 18, 4590-4597.	4.5	24
60	Self-organized metal-semiconductor epitaxial graphene layer on off-axis 4H-SiC(0001). <i>Nano Research</i> , 2015, 8, 1026-1037.	5.8	23
61	High Electron Mobility in Epitaxial Trilayer Graphene on Off-axis SiC(0001). <i>Scientific Reports</i> , 2016, 6, 18791.	1.6	23
62	Band Edge Dynamics and Multiexciton Generation in Narrow Band Gap HgTe Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11880-11887.	4.0	23
63	Time-resolved NEXAFS and XPS spectroscopy of Si(001)- $\sqrt{2} \times \sqrt{2}$ reconstruction. <i>Physical Review B</i> , 2009, 79, 041404.	1.1	22
64	Edge state in epitaxial nanographene on 3C-SiC(100)/Si(100) substrate. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	22
65	Silicon sheets by redox assisted chemical exfoliation. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 442001.	0.7	22
66	Multiphoton time-resolved photoemission from gold surface states with 800-nm femtosecond laser pulses. <i>Physical Review B</i> , 2014, 90, .	1.1	22
67	Electronic structure of CdSe-ZnS 2D nanoplatelets. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	21
68	The survival of glycine in interstellar ices: A coupled investigation using NEXAFS experiments and theoretical calculations. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1163-1171.	1.0	20
69	Dynamics in next-generation solar cells: time-resolved surface photovoltage measurements of quantum dots chemically linked to ZnO (101 <sub>1</sub> ,0). <i>Faraday Discussions</i> , 2014, 171, 275-298.	1.6	20
70	Stacking fault and defects in single domain multilayered hexagonal boron nitride. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	20
71	Possible survival of simple amino acids to X-ray irradiation in ice: the case of glycine. <i>Astronomy and Astrophysics</i> , 2013, 552, A100.	2.1	19
72	Strategy to overcome recombination limited photocurrent generation in CsPbX <sub>3</sub> nanocrystal arrays. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	19

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73	Oxidation of Small Supported Platinum-based Nanoparticles Under Near-Ambient Pressure Exposure to Oxygen. <i>Topics in Catalysis</i> , 2016, 59, 550-563.	1.3	18
74	Pump-probe experiments at the TEMPO beamline using the low- $\lambda$ operation mode of Synchrotron SOLEIL. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 886-897.	1.0	18
75	Impact of dimensionality and confinement on the electronic properties of mercury chalcogenide nanocrystals. <i>Nanoscale</i> , 2019, 11, 3905-3915.	2.8	18
76	Pushing Absorption of Perovskite Nanocrystals into the Infrared. <i>Nano Letters</i> , 2020, 20, 3999-4006.	4.5	18
77	Single step fabrication of N-doped graphene/Si <sub>3</sub> N <sub>4</sub> /SiC heterostructures. <i>Nano Research</i> , 2014, 7, 835-843.	5.8	17
78	Chemically-specific time-resolved surface photovoltage spectroscopy: Carrier dynamics at the interface of quantum dots attached to a metal oxide. <i>Surface Science</i> , 2015, 641, 320-325.	0.8	17
79	Hydrogen-induced metallization of a preoxidized 3C-SiC(100) $3\sqrt{3}\times\sqrt{3}$ surface. <i>Applied Physics Letters</i> , 2004, 85, 4893-4895.	1.5	16
80	Atomic and electronic structure of trilayer graphene/SiC(0001): Evidence of Strong Dependence on Stacking Sequence and charge transfer. <i>Scientific Reports</i> , 2016, 6, 33487.	1.6	16
81	Polyoxometalate as Control Agent for the Doping in HgSe Self-Doped Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26680-26685.	1.5	16
82	Initial oxide/SiC interface formation on C-terminated $\beta$ -SiC(100) $c(2\sqrt{3}\times\sqrt{3})$ and graphitic C-rich $\beta$ -SiC(100) $1\sqrt{3}\times\sqrt{3}$ surfaces. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 2226.	1.6	15
83	X <sub>3</sub> synthon geometries in two-dimensional halogen-bonded 1,3,5-tris(3,5-dibromophenyl)benzene self-assembled nanoarchitectures on Au(111)-(). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3918-3924.	1.3	14
84	Optimized Cation Exchange for Mercury Chalcogenide 2D Nanoplatelets and Its Application for Alloys. <i>Chemistry of Materials</i> , 2021, 33, 9252-9261.	3.2	14
85	Thermal effects in Raman spectra of hexagonal boron nitride and nanotube-containing boron nitride soot. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3316-3319.	0.7	13
86	Preventing carbon contamination of optical devices for X-rays: the effect of oxygen on photon-induced dissociation of CO on platinum. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 570-573.	1.0	13
87	Chemical and kinetic insights into the Thermal Decomposition of an Oxide Layer on Si(111) from Millisecond Photoelectron Spectroscopy. <i>Scientific Reports</i> , 2017, 7, 14257.	1.6	13
88	HgTe Nanocrystal-Based Photodiode for Extended Short-Wave Infrared Sensing with Optimized Electron Extraction and Injection. <i>ACS Applied Nano Materials</i> , 2022, 5, 8602-8611.	2.4	13
89	The electronic properties of mixed valence hydrated europium chloride thin film. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18403-18412.	1.3	12
90	Time-Resolved Photoemission to Unveil Electronic Coupling between Absorbing and Transport Layers in a Quantum Dot-Based Solar Cell. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23400-23409.	1.5	12

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91	Evidence for highly p-type doping and type II band alignment in large scale monolayer WSe <sub>2</sub> /Se-terminated GaAs heterojunction grown by molecular beam epitaxy. <i>Nanoscale</i> , 2022, 14, 5859-5868.	2.8	12
92	Lanthanum diffusion in the TiN/LaOx/HfSiO/SiO <sub>2</sub> /Si stack. <i>Microelectronic Engineering</i> , 2011, 88, 1349-1352.	1.1	11
93	Correlated plasmons in the topological insulator Bi <sub>2</sub> Se <sub>3</sub> induced by long-range electron correlations. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	11
94	Negative differential resistance at Ag <sup>+</sup> -Si nanowires on silicon carbide: From a passive to an active massively parallel architecture. <i>Applied Physics Letters</i> , 2007, 91, 223111.	1.5	10
95	Ene-like Reaction of Cyclopentene on Si(001)-2 Å— 1: An XPS and NEXAFS Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12680-12686.	1.5	10
96	Hydrogen-induced nanotunnel opening within semiconductor subsurface. <i>Nature Communications</i> , 2013, 4, .	5.8	10
97	Investigation of structural and electronic properties of epitaxial graphene on 3C-SiC(100)/Si(100) substrates. <i>Nanotechnology, Science and Applications</i> , 2014, 7, 85.	4.6	10
98	GaAs Core/SrTiO <sub>3</sub> Shell Nanowires Grown by Molecular Beam Epitaxy. <i>Nano Letters</i> , 2016, 16, 2393-2399.	4.5	10
99	Energy-Level Alignment of a Hole-Transport Organic Layer and ITO: Toward Applications for Organic Electronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30992-31004.	4.0	10
100	Revealing the Band Structure of FAPI Quantum Dot Film and Its Interfaces with Electron and Hole Transport Layer Using Time Resolved Photoemission. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3873-3880.	1.5	10
101	Benzaldehyde on Water-Saturated Si(001): Reaction with Isolated Silicon Dangling Bonds versus Concerted Hydrosilylation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10005-10016.	1.5	9
102	2D Monolayer of the 1T <sup>+</sup> Phase of Alloyed WSe from Colloidal Synthesis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11058-11065.	1.5	9
103	Laser-Based Diagnostics Applied to the Study of BN Nanotubes Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6129-6140.	0.9	8
104	Colorado Auro: contribution to the understanding of a medieval recipe to colour gilded silver plates. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 39-46.	1.1	8
105	Atomic oxidation of large area epitaxial graphene on 4H-SiC(0001). <i>Applied Physics Letters</i> , 2014, 104, 093109.	1.5	8
106	Charge Transfer and Energy Level Alignment at the Interface between Cyclopentene-Modified Si(001) and Tetracyanoquinodimethane. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22499-22508.	1.5	8
107	Oxidation of the 8 Å— 8-reconstructed $\hat{1}^2$ -Si <sub>3</sub> N <sub>4</sub> (0 0 1) surface: A photoemission study. <i>Applied Surface Science</i> , 2015, 355, 93-97.	3.1	8
108	Ge/SrTiO <sub>3</sub> interface probed by soft x-ray synchrotron-radiation time-resolved photoemission. <i>Physical Review B</i> , 2012, 85, .	1.1	7

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109	In-situ formation of SiC nanocrystals by high temperature annealing of SiO <sub>2</sub> /Si under CO: A photoemission study. <i>Surface Science</i> , 2012, 606, 697-701.	0.8	7
110	Electronic properties of zero-layer graphene on 6H-SiC(0001) substrate decoupled by silicon intercalation. <i>Surface and Interface Analysis</i> , 2014, 46, 1273-1277.	0.8	7
111	Commissioning of a multi-beamline femtoslicing facility at SOLEIL. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 385-398.	1.0	7
112	Origin of the two-dimensional electron gas at the CdO (100) surface. <i>Physical Review B</i> , 2019, 99, .	1.1	7
113	Understanding reversal effects of metallic aluminum introduced in HfSiON/TiN PMOSFETs. <i>Microelectronic Engineering</i> , 2011, 88, 1305-1308.	1.1	6
114	Evidence of Mixed-Valence Hydrated Europium-Chloride Phase in Vacuum by Means of Optical and Electronic Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9766-9771.	1.5	6
115	A Synchrotron Radiation X-ray Photoemission Spectroscopy Study of n-Propyltriethoxysilane Adsorption on Si(001)-2 Å <sup>-1</sup> at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21450-21456.	1.5	5
116	Electronic coupling in the F4-TCNQ/single-layer GaSe heterostructure. <i>Physical Review Materials</i> , 2019, 3, .	0.9	5
117	High oxidation state at the epitaxial interface of $\hat{3}$ -Al <sub>2</sub> O <sub>3</sub> thin films grown on Si(111) and Si(001). <i>Applied Physics Letters</i> , 2010, 97, .	1.5	4
118	Probing ultrafast dynamics in electronic structure of epitaxial Gd(0001) on W(110). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 189, 40-45.	0.8	4
119	Nanoscale physics and defect state chemistry at amorphous-Si/In <sub>0.53</sub> Ga <sub>0.47</sub> As interfaces. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 055101.	1.3	4
120	Dissociation of Ethoxysilane and Methoxysilane on Si(001)-2 Å <sup>-1</sup> and Si(111)-7 Å <sup>-1</sup> at Room Temperature: A Comparative Study Using Synchrotron Radiation Photoemission. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24397-24406.	1.5	4
121	Gas-induced selective re-orientation of Au-Cu nanoparticles on TiO <sub>2</sub> (110). <i>Nanoscale</i> , 2019, 11, 752-761.	2.8	4
122	Azobenzenes as Light-Activable Carrier Density Switches in Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27257-27263.	1.5	3
123	Biphenyl derivatives with enhanced nonlinear absorptivities for optical limiting applications. , 2003, 4797, 15.		2
124	Ge/SrTiO <sub>3</sub> (001): Correlation between interface chemistry and crystallographic orientation. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	2
125	Soft X-ray photoemission study of nitrogen diffusion in TiN/HfO <sub>2</sub> :N gate stacks. <i>Applied Surface Science</i> , 2012, 258, 2107-2112.	3.1	2
126	Time-resolved photoemission spectroscopy on a metal/ferroelectric heterostructure. <i>Physical Review B</i> , 2013, 88, .	1.1	2



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127	Observation of an e-derived metallic band at the Cs/SrTiO <sub>3</sub> interface by polarization-dependent photoemission spectroscopy. <i>Thin Solid Films</i> , 2016, 603, 149-153.	0.8	2
128	Time resolved resonant photoemission study of energy level alignment at donor/acceptor interfaces. <i>Chemical Physics Letters</i> , 2017, 683, 135-139.	1.2	2
129	A photoemission spectroscopy study of the initial oxidation of epitaxial fcc and bcc Fe films grown on Cu(100). <i>Thin Solid Films</i> , 2017, 636, 567-572.	0.8	2
130	Surface band bending and carrier dynamics in colloidal quantum dot solids. <i>Nanoscale</i> , 2021, 13, 17793-17806.	2.8	2
131	Phthalocyanine reactivity and interaction on the 6H-SiC(0001)-(3 Å <sup>-1</sup> ) surface investigated by core-level experiments and simulations. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14937-14946.	1.3	2
132	2-Butyne on Si(001) at room temperature: An XPS and NEXAFS study. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 323-326.	0.8	1
133	(Invited) Physical and Electrical Properties of Scaled Gate Stacks on Si/Passivated In <sub>0.53</sub> Ga <sub>0.47</sub> As. <i>ECS Transactions</i> , 2013, 58, 369-378.	0.3	1
134	Surface Photovoltage dynamics at passivated silicon surfaces: influence of substrate doping and surface termination. <i>Faraday Discussions</i> , 2022, , .	1.6	1
135	Space charge effects occurring during fast demagnetization processes. <i>Springer Proceedings in Physics</i> , 2015, , 313-316.	0.1	0