

Mathieu G Silly

List of Publications by Year in descending order

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papers

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136
docs citations

136
times ranked

6872
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroluminescence from nanocrystals above 2â€‰%Åµm. Nature Photonics, 2022, 16, 38-44.	15.6	25
2	Evidence for highly p-type doping and type II band alignment in large scale monolayer WSe ₂ /Se-terminated GaAs heterojunction grown by molecular beam epitaxy. Nanoscale, 2022, 14, 5859-5868.	2.8	12
3	Surface Photovoltage dynamics at passivated silicon surfaces: influence of substrate doping and surface termination. Faraday Discussions, 2022, , .	1.6	1
4	Phthalocyanine reactivity and interaction on the 6H-SiC(0001)-(3 Å– 3) surface investigated by core-level experiments and simulations. Physical Chemistry Chemical Physics, 2022, 24, 14937-14946.	1.3	2
5	HgTe Nanocrystal-Based Photodiode for Extended Short-Wave Infrared Sensing with Optimized Electron Extraction and Injection. ACS Applied Nano Materials, 2022, 5, 8602-8611.	2.4	13
6	2D Monolayer of the 1Tâ€™ Phase of Alloyed WSSe from Colloidal Synthesis. Journal of Physical Chemistry C, 2021, 125, 11058-11065.	1.5	9
7	Surface band bending and carrier dynamics in colloidal quantum dot solids. Nanoscale, 2021, 13, 17793-17806.	2.8	2
8	Optimized Cation Exchange for Mercury Chalcogenide 2D Nanoplatelets and Its Application for Alloys. Chemistry of Materials, 2021, 33, 9252-9261.	3.2	14
9	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.	1.5	12
10	Electroluminescence from HgTe Nanocrystals and Its Use for Active Imaging. Nano Letters, 2020, 20, 6185-6190.	4.5	28
11	Correlated plasmons in the topological insulator Bi ₂ Se ₃ induced by long-range electron correlations. NPG Asia Materials, 2020, 12, .	3.8	11
12	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.	1.5	10
13	Pushing Absorption of Perovskite Nanocrystals into the Infrared. Nano Letters, 2020, 20, 3999-4006.	4.5	18
14	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
15	Evidence for a narrow band gap phase in 1Tâ€™ WS ₂ nanosheet. Applied Physics Letters, 2019, 115, .	1.5	25
16	Azobenzenes as Light-Activable Carrier Density Switches in Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 27257-27263.	1.5	3
17	Gas-induced selective re-orientation of Auâ€™Cu nanoparticles on TiO ₂ (110). Nanoscale, 2019, 11, 752-761.	2.8	4
18	Impact of dimensionality and confinement on the electronic properties of mercury chalcogenide nanocrystals. Nanoscale, 2019, 11, 3905-3915.	2.8	18

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19	A colloidal quantum dot infrared photodetector and its use for intraband detection. <i>Nature Communications</i> , 2019, 10, 2125.	5.8	155
20	Doping as a Strategy to Tune Color of 2D Colloidal Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10128-10134.	4.0	48
21	Origin of the two-dimensional electron gas at the CdO (100) surface. <i>Physical Review B</i> , 2019, 99, .	1.1	7
22	Electronic coupling in the F4-TCNQ/single-layer GaSe heterostructure. <i>Physical Review Materials</i> , 2019, 3, .	0.9	5
23	Electronic band structure of Two-Dimensional WS_2 /Graphene van der Waals Heterostructures. <i>Physical Review B</i> , 2018, 97, .	1.1	63
24	X3 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
25	Probing Charge Carrier Dynamics to Unveil the Role of Surface Ligands in HgTe Narrow Band Gap Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 859-865.	1.5	37
26	Band Edge Dynamics and Multiexciton Generation in Narrow Band Gap HgTe Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11880-11887.	4.0	23
27	Commissioning of a multi-beamline femtoslicing facility at SOLEIL. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 385-398.	1.0	7
28	Strategy to overcome recombination limited photocurrent generation in CsPbX ₃ nanocrystal arrays. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	19
29	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
30	Design of a Unipolar Barrier for a Nanocrystal-Based Short-Wave Infrared Photodiode. <i>ACS Photonics</i> , 2018, 5, 4569-4576.	3.2	49
31	Valence band inversion and spin-orbit effects in the electronic structure of monolayer GaSe. <i>Physical Review B</i> , 2018, 98, .	1.1	47
32	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
33	Intraband Mid-Infrared Transitions in Ag ₂ Se Nanocrystals: Potential and Limitations for Hg-Free Low-Cost Photodetection. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18161-18167.	1.5	59
34	Short Wave Infrared Devices Based on HgTe Nanocrystals with Air Stable Performances. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14979-14985.	1.5	49
35	Van der Waals epitaxy of two-dimensional single-layer h-BN on graphite by molecular beam epitaxy: Electronic properties and band structure. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	50
36	Tunable Doping in Hydrogenated Single Layered Molybdenum Disulfide. <i>ACS Nano</i> , 2017, 11, 1755-1761.	7.3	86

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37	Stacking fault and defects in single domain multilayered hexagonal boron nitride. Applied Physics Letters, 2017, 110, .	1.5	20
38	Direct observation of the band structure in bulk hexagonal boron nitride. Physical Review B, 2017, 95, .	1.1	65
39	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
40	Electronic structure of CdSe-ZnS 2D nanoplatelets. Applied Physics Letters, 2017, 110, .	1.5	21
41	Charge Dynamics and Optoelectronic Properties in HgTe Colloidal Quantum Wells. Nano Letters, 2017, 17, 4067-4074.	4.5	48
42	Time resolved resonant photoemission study of energy level alignment at donor/acceptor interfaces. Chemical Physics Letters, 2017, 683, 135-139.	1.2	2
43	Interface dipole and band bending in the hybrid p-n heterojunction MoS_2/GaN .	1.1	57
44	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
45	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
46	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.	4.0	10
47	Tunable quasiparticle band gap in few-layer GaSe/graphene van der Waals heterostructures. Physical Review B, 2017, 96, .	1.1	99
48	Pump-probe experiments at the TEMPO beamline using the low- $\hbar\omega$ operation mode of Synchrotron SOLEIL. Journal of Synchrotron Radiation, 2017, 24, 886-897.	1.0	18
49	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.	0.8	2
50	Chemical and kinetic insights into the Thermal Decomposition of an Oxide Layer on Si(111) from Millisecond Photoelectron Spectroscopy. Scientific Reports, 2017, 7, 14257.	1.6	13
51	High Electron Mobility in Epitaxial Trilayer Graphene on Off-axis SiC(0001). Scientific Reports, 2016, 6, 18791.	1.6	23
52	Electrolytic phototransistor based on graphene-MoS ₂ van der Waals p-n heterojunction with tunable photoresponse. Applied Physics Letters, 2016, 109, .	1.5	41
53	Charge dynamics at heterojunctions for PbS/ZnO colloidal quantum dot solar cells probed with time-resolved surface photovoltage spectroscopy. Applied Physics Letters, 2016, 108, .	1.5	24
54	Oxidation of Small Supported Platinum-based Nanoparticles Under Near-Ambient Pressure Exposure to Oxygen. Topics in Catalysis, 2016, 59, 550-563.	1.3	18

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55	van der Waals Epitaxy of GaSe/Graphene Heterostructure: Electronic and Interfacial Properties. ACS Nano, 2016, 10, 9679-9686.	7.3	154
56	Epitaxy of SrTiO ₃ on Silicon: The Knitting Machine Strategy. Chemistry of Materials, 2016, 28, 5347-5355.	3.2	37
57	Atomic and electronic structure of trilayer graphene/SiC(0001): Evidence of Strong Dependence on Stacking Sequence and charge transfer. Scientific Reports, 2016, 6, 33487.	1.6	16
58	Band Alignment and Minigaps in Monolayer MoS ₂ -Graphene van der Waals Heterostructures. Nano Letters, 2016, 16, 4054-4061.	4.5	288
59	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
60	Observation of an e-derived metallic band at the Cs/SrTiO ₃ interface by polarization-dependent photoemission spectroscopy. Thin Solid Films, 2016, 603, 149-153.	0.8	2
61	GaAs Core/SrTiO ₃ Shell Nanowires Grown by Molecular Beam Epitaxy. Nano Letters, 2016, 16, 2393-2399.	4.5	10
62	Oxidation of the 8 Å ⁻¹ 8-reconstructed $\hat{1}^2$ -Si ₃ N ₄ (0 0 0 1) surface: A photoemission study. Applied Surface Science, 2015, 355, 93-97.	3.1	8
63	Atomically Sharp Interface in an h-BN-epitaxial graphene van der Waals Heterostructure. Scientific Reports, 2015, 5, 16465.	1.6	62
64	The electronic properties of mixed valence hydrated europium chloride thin film. Physical Chemistry Chemical Physics, 2015, 17, 18403-18412.	1.3	12
65	Self-organized metal-semiconductor epitaxial graphene layer on off-axis 4H-SiC(0001). Nano Research, 2015, 8, 1026-1037.	5.8	23
66	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.	0.8	17
67	Cation Depth-Distribution at Alkali Halide Aqueous Solution Surfaces. Journal of Physical Chemistry C, 2015, 119, 9253-9259.	1.5	37
68	Evidence for Flat Bands near the Fermi Level in Epitaxial Rhombohedral Multilayer Graphene. ACS Nano, 2015, 9, 5432-5439.	7.3	92
69	Hysteresis and change of transition temperature in thin films of Fe{[Me ₂ Pyrz] ₃ BH} ₂ , a new sublimable spin-crossover molecule. Journal of Chemical Physics, 2015, 142, 194702.	1.2	56
70	Space charge effects occurring during fast demagnetization processes. Springer Proceedings in Physics, 2015, , 313-316.	0.1	0
71	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
72	Dynamics in next-generation solar cells: time-resolved surface photovoltage measurements of quantum dots chemically linked to ZnO (10 $\bar{1}$,0). Faraday Discussions, 2014, 171, 275-298.	1.6	20

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73	Multiphoton $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -resolved photoemission from gold surface states with 800-nm femtosecond laser pulses. Physical Review B, 2014, 90, .	1.1	22
74	Electronic properties of zero-layer graphene on 6H-SiC(0001) substrate decoupled by silicon intercalation. Surface and Interface Analysis, 2014, 46, 1273-1277.	0.8	7
75	Atomic oxidation of large area epitaxial graphene on 4H-SiC(0001). Applied Physics Letters, 2014, 104, 093109.	1.5	8
76	Nanoscale physics and defect state chemistry at amorphous-Si/In _{0.53} Ga _{0.47} As interfaces. Journal Physics D: Applied Physics, 2014, 47, 055101.	1.3	4
77	Electronic and structural properties of graphene-based metal-semiconducting heterostructures engineered by silicon intercalation. Carbon, 2014, 76, 27-39.	5.4	27
78	Dissociation of Ethoxysilane and Methoxysilane on Si(001)-2 Å ⁻¹ and Si(111)-7 Å ⁻¹ at Room Temperature: A Comparative Study Using Synchrotron Radiation Photoemission. Journal of Physical Chemistry C, 2014, 118, 24397-24406.	1.5	4
79	Benzaldehyde on Water-Saturated Si(001): Reaction with Isolated Silicon Dangling Bonds versus Concerted Hydrosilylation. Journal of Physical Chemistry C, 2014, 118, 10005-10016.	1.5	9
80	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.	1.5	8
81	Single step fabrication of N-doped graphene/Si ₃ N ₄ /SiC heterostructures. Nano Research, 2014, 7, 835-843.	5.8	17
82	Multiple satellites in materials with complex plasmon spectra: From graphite to graphene. Physical Review B, 2014, 89, .	1.1	38
83	Flower-Shaped Domains and Wrinkles in Trilayer Epitaxial Graphene on Silicon Carbide. Scientific Reports, 2014, 4, 4066.	1.6	45
84	Edge state in epitaxial nanographene on 3C-SiC(100)/Si(100) substrate. Applied Physics Letters, 2013, 103, .	1.5	22
85	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.	1.1	8
86	Time-resolved photoemission spectroscopy on a metal/ferroelectric heterostructure. Physical Review B, 2013, 88, .	1.1	2
87	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.	1.5	6
88	Time-resolved surface photovoltage measurements at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -type photovoltaic surfaces: Si(111) and ZnO(10 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$)	1.1	61
89	Review B, 2013, 88, . Probing ultrafast dynamics in electronic structure of epitaxial Gd(0001) on W(110). Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 40-45.	0.8	4
90	Electronic structure of the hydrogen-adsorbed SrTiO $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ (001) surface studied by polarization-dependent photoemission spectroscopy. Physical Review B, 2013, 87, .	1.1	25

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91	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
92	Formation of one-dimensional self-assembled silicon nanoribbons on Au(110)-(2 \times 1). <i>Applied Physics Letters</i> , 2013, 102, .	1.5	116
93	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
94	(Invited) Physical and Electrical Properties of Scaled Gate Stacks on Si/Passivated In _{0.53} Ga _{0.47} As. <i>ECS Transactions</i> , 2013, 58, 369-378.	0.3	1
95	Interface electronic structure in a metal/ferroelectric heterostructure under applied bias. <i>Physical Review B</i> , 2013, 87, .	1.1	40
96	Hydrogen-induced nanotunnel opening within semiconductor subsurface. <i>Nature Communications</i> , 2013, 4, .	5.8	10
97	Silicon sheets by redox assisted chemical exfoliation. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 442001.	0.7	22
98	Hydrogen-Induced Surface Metallization of SrTiO_3 . <i>Physical Review Letters</i> , 2013, 110, 115501.	2.9	64
99	Ge/SrTiO ₃ (001) interface probed by soft x-ray synchrotron-radiation time-resolved photoemission. <i>Physical Review B</i> , 2012, 85, .	1.1	7
100	Ge/SrTiO ₃ (001): Correlation between interface chemistry and crystallographic orientation. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	2
101	Epitaxial Graphene on 4H-SiC(0001) Grown under Nitrogen Flux: Evidence of Low Nitrogen Doping and High Charge Transfer. <i>ACS Nano</i> , 2012, 6, 10893-10900.	7.3	95
102	Large-Area and High-Quality Epitaxial Graphene on Off-Axis SiC Wafers. <i>ACS Nano</i> , 2012, 6, 6075-6082.	7.3	97
103	Ene-like Reaction of Cyclopentene on Si(001)-2 \times 1: An XPS and NEXAFS Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12680-12686.	1.5	10
104	In-situ formation of SiC nanocrystals by high temperature annealing of SiO ₂ /Si under CO: A photoemission study. <i>Surface Science</i> , 2012, 606, 697-701.	0.8	7
105	Soft X-ray photoemission study of nitrogen diffusion in TiN/HfO ₂ :N gate stacks. <i>Applied Surface Science</i> , 2012, 258, 2107-2112.	3.1	2
106	Plasmon satellites in valence-band photoemission spectroscopy. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	27
107	Epitaxial graphene on single domain 3C-SiC(100) thin films grown on off-axis Si(100). <i>Applied Physics Letters</i> , 2012, 101, .	1.5	35
108	Triethylamine on Si(001)-(2 \times 1) at 300 K: Molecular Adsorption and Site Configurations Leading to Dissociation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16473-16486.	1.5	26

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109	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
110	Isolated Silicon Dangling Bonds on a Water-Saturated n -Doped Si(001)-2 Å ⁻¹ Surface: An XPS and STM Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7686-7693.	1.5	27
111	Valence Electron Photoemission Spectrum of Semiconductors: <i>Ab Initio</i> Description of Multiple Satellites. <i>Physical Review Letters</i> , 2011, 107, 166401.	2.9	120
112	Electronic and surface properties of PbS nanoparticles exhibiting efficient multiple exciton generation. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20275.	1.3	76
113	Time-resolved photoelectron spectroscopy using synchrotron radiation time structure. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 245-250.	1.0	67
114	Carbon contamination of soft X-ray beamlines: dramatic anti-reflection coating effects observed in the 1-10 keV photon energy region. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 761-764.	1.0	35
115	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
116	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
117	Lanthanum diffusion in the TiN/LaOx/HfSiO/SiO ₂ /Si stack. <i>Microelectronic Engineering</i> , 2011, 88, 1349-1352.	1.1	11
118	Understanding reversal effects of metallic aluminum introduced in HfSiON/TiN PMOSFETs. <i>Microelectronic Engineering</i> , 2011, 88, 1305-1308.	1.1	6
119	A greener route to photoelectrochemically active PbS nanoparticles. <i>Journal of Materials Chemistry</i> , 2010, 20, 2336.	6.7	93
120	High oxidation state at the epitaxial interface of α -Al ₂ O ₃ thin films grown on Si(111) and Si(001). <i>Applied Physics Letters</i> , 2010, 97, .	1.5	4
121	TEMPO: a New Insertion Device Beamline at SOLEIL for Time Resolved Photoelectron Spectroscopy Experiments on Solids and Interfaces. <i>AIP Conference Proceedings</i> , 2010, .	0.3	84
122	Internal Structure of InP/ZnS Nanocrystals Unraveled by High-Resolution Soft X-ray Photoelectron Spectroscopy. <i>ACS Nano</i> , 2010, 4, 4799-4805.	7.3	93
123	A Synchrotron Radiation X-ray Photoemission Spectroscopy Study of n-Propyltriethoxysilane Adsorption on Si(001)-2 Å ⁻¹ at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21450-21456.	1.5	5
124	Epitaxial graphene on 3C-SiC(111) pseudosubstrate: Structural and electronic properties. <i>Physical Review B</i> , 2010, 82, .	1.1	57
125	Structural coherency of epitaxial graphene on 3C-SiC(111) epilayers on Si(111). <i>Applied Physics Letters</i> , 2010, 97, .	1.5	61
126	Nitrogen and XPS spectroscopy of Si(001)- $\sqrt{3} \times \sqrt{3}$ NH ₂ surface. <i>Physical Review B</i> , 2009, 79, 041408.	1.1	24

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127	Laser-Based Diagnostics Applied to the Study of BN Nanotubes Synthesis. Journal of Nanoscience and Nanotechnology, 2008, 8, 6129-6140.	0.9	8
128	Negative differential resistance at Ag ⁺ Si nanowires on silicon carbide: From a passive to an active massively parallel architecture. Applied Physics Letters, 2007, 91, 223111.	1.5	10
129	Luminescence properties of hexagonal boron nitride: Cathodoluminescence and photoluminescence spectroscopy measurements. Physical Review B, 2007, 75, .	1.1	136
130	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.	0.7	13
131	Initial oxide/SiC interface formation on C-terminated \hat{I}^2 -SiC(100) $c(2\hat{A}-2)$ and graphitic C-rich \hat{I}^2 -SiC(100) $1\hat{A}-1$ 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
132	Hydrogen-induced metallization of a preoxidized 3C-SiC(100) $3\hat{A}-2$ surface. Applied Physics Letters, 2004, 85, 4893-4895.	1.5	16
133	Optical limiting in the red \hat{A} €NIR range with soluble two-photon absorbing molecules. Chemical Physics Letters, 2003, 379, 74-80.	1.2	64
134	Nanochemistry at the atomic scale revealed in hydrogen-induced semiconductor surface metallization. Nature Materials, 2003, 2, 253-258.	13.3	125
135	Biphenyl derivatives with enhanced nonlinear absorptivities for optical limiting applications. , 2003, 4797, 15.		2