

Martin Aeschlimann

List of Publications by Year in descending order

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270
papers

12,212
citations

25034

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104
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282
all docs

282
docs citations

282
times ranked

8241
citing authors

#	ARTICLE	IF	CITATIONS
1	Explaining the paradoxical diversity of ultrafast laser-induced demagnetization. Nature Materials, 2010, 9, 259-265.	27.5	729
2	All-optical control of ferromagnetic thin films and nanostructures. Science, 2014, 345, 1337-1340.	12.6	524
3	Adaptive subwavelength control of nano-optical fields. Nature, 2007, 446, 301-304.	27.8	508
4	Engineered materials for all-optical helicity-dependent magnetic switching. Nature Materials, 2014, 13, 286-292.	27.5	507
5	Ultrafast magnetization enhancement in metallic multilayers driven by superdiffusive spin current. Nature Communications, 2012, 3, 1037.	12.8	324
6	Ultrafast Spin-Dependent Electron Dynamics in fcc Co. Physical Review Letters, 1997, 79, 5158-5161.	7.8	287
7	Determination of spin injection and transport in ferromagnet/organic semiconductor heterojunction by two-photon photoemission. Nature Materials, 2009, 8, 115-119.	27.5	266
8	Magnetism of Epitaxial bcc Iron on Ag(001) Observed by Spin-Polarized Photoemission. Physical Review Letters, 1987, 59, 2483-2485.	7.8	251
9	Controlling the Competition between Optically Induced Ultrafast Spin-Flip Scattering and Spin Transport in Magnetic Multilayers. Physical Review Letters, 2013, 110, 197201.	7.8	218
10	Revealing the subfemtosecond dynamics of orbital angular momentum in nanoplasmonic vortices. Science, 2017, 355, 1187-1191.	12.6	217
11	Coherent Two-Dimensional Nanoscopy. Science, 2011, 333, 1723-1726.	12.6	212
12	Probing the timescale of the exchange interaction in a ferromagnetic alloy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4792-4797.	7.1	210
13	Ultrafast Demagnetization Dynamics at the Edges of Magnetic Elements Observed Using a Tabletop High-Harmonic Soft X-Ray Source. Physical Review Letters, 2009, 103, 257402.	7.8	197
14	Ultrafast demagnetization of ferromagnetic transition metals: The role of the Coulomb interaction. Physical Review B, 2009, 80, .	3.2	179
15	Time-resolved two-photon photoemission from Cu(100): Energy dependence of electron relaxation. Physical Review B, 1994, 50, 8957-8960.	3.2	173
16	Hot electron lifetimes in metals probed by time-resolved two-photon photoemission. Progress in Surface Science, 2015, 90, 319-376.	8.3	164
17	Light-induced magnetization reversal of high-anisotropy TbCo alloy films. Applied Physics Letters, 2012, 101, .	3.3	158
18	Time-resolved two photon photoemission electron microscopy. Applied Physics B: Lasers and Optics, 2002, 74, 223-227.	2.2	156

#	ARTICLE	IF	CITATIONS
19	Dynamics of excited electrons in copper and ferromagnetic transition metals: Theory and experiment. <i>Physical Review B</i> , 2000, 61, 9427-9440.	3.2	154
20	Laser-Assisted Photoelectric Effect from Surfaces. <i>Physical Review Letters</i> , 2006, 97, 113604.	7.8	151
21	Topological states on the gold surface. <i>Nature Communications</i> , 2015, 6, 10167.	12.8	148
22	Spin-dependent trapping of electrons at \hat{A} spinterfaces. <i>Nature Physics</i> , 2013, 9, 242-247.	16.7	147
23	Spin-Flip Processes and Ultrafast Magnetization Dynamics in Co: Unifying the Microscopic and Macroscopic View of Femtosecond Magnetism. <i>Physical Review Letters</i> , 2006, 97, 177201.	7.8	146
24	Observation of surface enhanced multiphoton photoemission from metal surfaces in the short pulse limit. <i>Journal of Chemical Physics</i> , 1995, 102, 8606-8613.	3.0	144
25	Resonance lifetime and energy of an excited Cs state on Cu(111). <i>Physical Review B</i> , 1997, 55, 10040-10043.	3.2	143
26	Spatiotemporal control of nanooptical excitations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5329-5333.	7.1	143
27	Competing nonradiative channels for hot electron induced surface photochemistry. <i>Chemical Physics</i> , 1996, 205, 127-141.	1.9	140
28	Symmetry breaking via orbital-dependent reconstruction of electronic structure in detwinned NaFeAs. <i>Physical Review B</i> , 2012, 85, .	3.2	134
29	Thermally Assisted All-Optical Helicity Dependent Magnetic Switching in Amorphous Fe ₁₀₀ Tb _x Alloy Films. <i>Advanced Materials</i> , 2013, 25, 3122-3128.	21.0	123
30	Decay dynamics of photoexcited alkali chemisorbates: Real-time investigations in the femtosecond regime. <i>Physical Review B</i> , 1999, 60, 5016-5028.	3.2	122
31	Band structure evolution during the ultrafast ferromagnetic-paramagnetic phase transition in cobalt. <i>Science Advances</i> , 2017, 3, e1602094.	10.3	119
32	Feedback Effect during Ultrafast Demagnetization Dynamics in Ferromagnets. <i>Physical Review Letters</i> , 2013, 111, 167204.	7.8	117
33	Space charge effects in photoemission with a low repetition, high intensity femtosecond laser source. <i>Journal of Applied Physics</i> , 2006, 100, 024912.	2.5	116
34	Temperature Dependence of Laser-Induced Demagnetization in Ni: A Key for Identifying the Underlying Mechanism. <i>Physical Review X</i> , 2012, 2, .	8.9	106
35	Time- and angle-resolved photoemission spectroscopy with optimized high-harmonic pulses using frequency-doubled Ti:Sapphire lasers. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 195, 231-236.	1.7	95
36	Ultrafast optically induced spin transfer in ferromagnetic alloys. <i>Science Advances</i> , 2020, 6, eaay8717.	10.3	93

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37	Quantum-Well-Induced Giant Spin-Orbit Splitting. <i>Physical Review Letters</i> , 2010, 104, 066802.	7.8	92
38	Transport and dynamics of optically excited electrons in metals. <i>Applied Physics A: Materials Science and Processing</i> , 2000, 71, 485-491.	2.3	91
39	Direct Measurement of Core-Level Relaxation Dynamics on a Surface-Adsorbate System. <i>Physical Review Letters</i> , 2008, 101, 046101.	7.8	88
40	Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions. <i>Physical Review X</i> , 2012, 2, .	8.9	88
41	Normal-Incidence Photoemission Electron Microscopy (NI-PEEM) for Imaging Surface Plasmon Polaritons. <i>Plasmonics</i> , 2014, 9, 1401-1407.	3.4	86
42	Angle-resolved photoemission spectroscopy with a femtosecond high harmonic light source using a two-dimensional imaging electron analyzer. <i>Review of Scientific Instruments</i> , 2007, 78, 083105.	1.3	83
43	Do Mie plasmons have a longer lifetime on resonance than off resonance?. <i>Applied Physics B: Lasers and Optics</i> , 2001, 73, 305-310.	2.2	82
44	FAIR data enabling new horizons for materials research. <i>Nature</i> , 2022, 604, 635-642.	27.8	81
45	Laser-assisted photoemission from surfaces. <i>Physical Review A</i> , 2008, 77, .	2.5	79
46	Spatiotemporal Characterization of SPP Pulse Propagation in Two-Dimensional Plasmonic Focusing Devices. <i>Nano Letters</i> , 2013, 13, 1053-1058.	9.1	76
47	Lack of evidence for ferromagnetism in the vanadium monolayer on Ag(001). <i>Physical Review B</i> , 1988, 37, 10380-10382.	3.2	75
48	Epitaxial film growth and magnetic properties of Co ₂ FeSi. <i>Physical Review B</i> , 2006, 74, .	3.2	73
49	Spin-orbit enhanced demagnetization rate in Co/Pt-multilayers. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	72
50	Stoner versus Heisenberg: Ultrafast exchange reduction and magnon generation during laser-induced demagnetization. <i>Physical Review B</i> , 2016, 94, .	3.2	72
51	Dynamics of excited electrons in metals, thin films and nanostructures. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002, 124, 225-243.	1.7	70
52	Magnetic properties of thin fcc iron films on Cu(001) (invited). <i>Journal of Applied Physics</i> , 1988, 64, 5321-5324.	2.5	68
53	All-optical magnetization recording by tailoring optical excitation parameters. <i>Physical Review B</i> , 2011, 84, .	3.2	64
54	Direct evidence for efficient ultrafast charge separation in epitaxial WS ₂ /graphene heterostructures. <i>Science Advances</i> , 2020, 6, eaay0761.	10.3	64

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55	Lifetime difference of photoexcited electrons between intraband and interband transitions. Surface Science, 1997, 377-379, 206-209.	1.9	61
56	Driving force of ultrafast magnetization dynamics. New Journal of Physics, 2011, 13, 123010.	2.9	61
57	Optical near-field interference in the excitation of a bowtie nanoantenna. Physical Review B, 2011, 83, .	3.2	60
58	Band-Structure-Dependent Demagnetization in the Heusler Alloy $\text{Co}_2\text{Mn}^{\text{Mn}}$ Physical Review Letters, 2010, 105, 217202.	7.8	58
59	Interplay of heating and helicity in all-optical magnetization switching. Physical Review B, 2012, 85, .	3.2	56
60	Dynamic spin filtering at the Co/Alq ₃ interface mediated by weakly coupled second layer molecules. Nature Communications, 2016, 7, 12668.	12.8	55
61	Distinguishing attosecond electron electron scattering and screening in transition metals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5300-E5307.	7.1	55
62	The 2021 ultrafast spectroscopic probes of condensed matter roadmap. Journal of Physics Condensed Matter, 2021, 33, 353001.	1.8	55
63	Speed and efficiency of femtosecond spin current injection into a nonmagnetic material. Physical Review B, 2017, 96, .	3.2	52
64	Phase propagation of localized surface plasmons probed by time-resolved photoemission electron microscopy. Applied Physics A: Materials Science and Processing, 2007, 88, 473-480.	2.3	51
65	Subpicosecond magnetization dynamics in TbCo alloys. Physical Review B, 2014, 89, .	3.2	50
66	Self-amplified photo-induced gap quenching in a correlated electron material. Nature Communications, 2016, 7, 12902.	12.8	50
67	Time- and energy resolved photoemission electron microscopy-imaging of photoelectron time-of-flight analysis by means of pulsed excitations. Journal of Electron Spectroscopy and Related Phenomena, 2010, 178-179, 317-330.	1.7	48
68	Surface spin polarization of the nonstoichiometric Heusler alloy Co_2MnSi . Physical Review B, 2012, 85, .	3.2	47
69	Direct Observation of Surface Plasmon Polariton Propagation and Interference by Time-Resolved Imaging in Normal-Incidence Two Photon Photoemission Microscopy. Plasmonics, 2018, 13, 239-246.	3.4	47
70	Direct light-induced spin transfer between different elements in a spintronic Heusler material via femtosecond laser excitation. Science Advances, 2020, 6, eaaz1100.	10.3	47
71	A picosecond electron gun for surface analysis. Review of Scientific Instruments, 1995, 66, 1000-1009.	1.3	46
72	Electron emission from films of Ag and Au nanoparticles excited by a femtosecond pump-probe laser. Physical Review B, 2008, 77, .	3.2	46

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73	Spin scattering and spin-polarized hybrid interface states at a metal-organic interface. Physical Review B, 2011, 84, .	3.2	46
74	Perfect absorption in nanotextured thin films via Anderson-localized photon modes. Nature Photonics, 2015, 9, 663-668.	31.4	46
75	Interfacial States Cause Equal Decay of Plasmons and Hot Electrons at Gold-Metal Oxide Interfaces. Nano Letters, 2020, 20, 3338-3343.	9.1	46
76	Indirect Magnetic Coupling of Manganese Porphyrin to a Ferromagnetic Cobalt Substrate. Journal of Physical Chemistry C, 2011, 115, 1295-1301.	3.1	44
77	Electronic and magnetic properties of the interface between metal-quinoline molecules and cobalt. Physical Review B, 2014, 89, .	3.2	41
78	Ultrafast element-specific magnetization dynamics of complex magnetic materials on a table-top. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 164-170.	1.7	40
79	Tailoring the Spin Functionality of a Hybrid Metal-Organic Interface by Means of Alkali-Metal Doping. Physical Review Letters, 2010, 104, 217602.	7.8	39
80	Controlling the Spin Texture of Topological Insulators by Rational Design of Organic Molecules. Nano Letters, 2015, 15, 6022-6029.	9.1	37
81	Light Localization and Magneto-Optic Enhancement in Ni Antidot Arrays. Nano Letters, 2016, 16, 2432-2438.	9.1	36
82	Enhancing Light Emission in Interface Engineered Spin-Polarized OLEDs through Spin-Polarized Injection at High Voltages. Advanced Materials, 2019, 31, e1806817.	21.0	36
83	Quantum-Well Wave-Function Localization and the Electron-Phonon Interaction in Thin Ag Nanofilms. Physical Review Letters, 2006, 97, 236809.	7.8	35
84	Lifetimes of excited electrons in Ta: Experimental time-resolved photoemission data and first-principles GW+Ttheory. Physical Review B, 2004, 70, .	3.2	34
85	Spin-resolved two-photon photoemission study of the surface resonance state on Co-Cu(001). Physical Review B, 2006, 74, .	3.2	34
86	<title>Electron dynamics of aluminum investigated by means of time-resolved photoemission</title>. , 1998, , .		33
87	Local 2PPE-yield enhancement in a defined periodic silver nanodisk array. Surface Science, 2007, 601, 4714-4721.	1.9	33
88	Band structure dependence of hot-electron lifetimes in a Pb/Cu(111) quantum-well system. Physical Review B, 2010, 81, .	3.2	33
89	Cavity-assisted ultrafast long-range periodic energy transfer between plasmonic nanoantennas. Light: Science and Applications, 2017, 6, e171111-e171111.	16.6	33
90	Direct transition in the system Ag(111) studied by one- and two-photon photoemission. Surface Science, 1998, 402-404, 556-560.	1.9	30

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91	Electronic surface structure of n -ML Ag/Cu(111) and Cs/ n -ML Ag/Cu(111) as investigated by 2PPE and STS. Applied Physics A: Materials Science and Processing, 2004, 78, 183-188.	2.3	30
92	Structural, chemical, and electronic properties of the Co $\langle\text{mml:math display="inline">\langle\text{mml:mrow}\langle\text{mml:mn}\rangle 2\langle\text{mml:mn}\rangle\langle\text{mml:msub}\rangle\langle\text{mml:math}\rangle\text{MnSi}(001)\text{MgO}$ interface. Physical Review B, 2013, 87, .	3.2	30
93	A case study for the formation of stanene on a metal surface. Communications Physics, 2019, 2, .	5.3	30
94	Experimental time-resolved photoemission andab initiostudy of lifetimes of excited electrons in Mo and Rh. Physical Review B, 2006, 74, .	3.2	29
95	Time-Resolved 2PPE and Time-Resolved PEEM as a Probe of LSP's in Silver Nanoparticles. Journal of Nanomaterials, 2008, 2008, 1-11.	2.7	29
96	Efficiency of ultrafast optically induced spin transfer in Heusler compounds. Physical Review Research, 2020, 2, .	3.6	29
97	The lateral photoemission distribution from a defined cluster/substrate system as probed by photoemission electron microscopy. New Journal of Physics, 2005, 7, 68-68.	2.9	28
98	Spin-resolved photoelectron spectroscopy using femtosecond extreme ultraviolet light pulses from high-order harmonic generation. Review of Scientific Instruments, 2016, 87, 043903.	1.3	28
99	Normal-Incidence PEEM Imaging of Propagating Modes in a Plasmonic Nanocircuit. Nano Letters, 2016, 16, 6832-6837.	9.1	28
100	Mixing the Light Spin with Plasmon Orbit by Nonlinear Light-Matter Interaction in Gold. Physical Review X, 2019, 9, .	8.9	27
101	Strong modification of the transport level alignment in organic materials after optical excitation. Nature Communications, 2019, 10, 1470.	12.8	27
102	Towards a full Heusler alloy showing room temperature half-metallicity at the surface. Journal Physics D: Applied Physics, 2007, 40, 1544-1547.	2.8	26
103	Ultrafast magnetization dynamics in Nickel: impact of pump photon energy. Journal of Physics Condensed Matter, 2017, 29, 244002.	1.8	26
104	Different spin and lattice temperatures observed by spinâ€ polarized photoemission with picosecond laser pulses. Journal of Applied Physics, 1990, 67, 5661-5663.	2.5	25
105	Optimal open-loop near-field control of plasmonic nanostructures. New Journal of Physics, 2012, 14, 033030.	2.9	24
106	Induced versus intrinsic magnetic moments in ultrafast magnetization dynamics. Physical Review B, 2018, 98, .	3.2	24
107	Femtosecond Timeâ€ Resolved Measurement of Electron Relaxation at Metal Surfaces. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1995, 99, 1504-1508.	0.9	23
108	Morphological modifications of Ag/Cu(111) probed by photoemission spectroscopy of quantum well states and the Shockley surface state. Applied Physics A: Materials Science and Processing, 2006, 82, 439-445.	2.3	23

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109	Modifying the Surface of a Rashba-Split Pb-Ag Alloy Using Tailored Metal-Organic Bonds. <i>Physical Review Letters</i> , 2016, 117, 096805.	7.8	23
110	Functional Meta Lenses for Compound Plasmonic Vortex Field Generation and Control. <i>Nano Letters</i> , 2021, 21, 3941-3946.	9.1	23
111	Femtosekundenâ€Dynamik in Metallen â€” das kurze Leben heiÃŸer Elektronen. <i>Physik Journal</i> , 1998, 54, 145-148.	0.1	22
112	Title is missing!. <i>Catalysis Letters</i> , 1998, 56, 1-6.	2.6	21
113	Ultrafast Spin Dynamics Including Spin-Orbit Interaction in Semiconductors. <i>Physical Review Letters</i> , 2008, 100, 256601.	7.8	21
114	Spin-dependent electronic structure of the Co/Al(OP)₃ interface. <i>New Journal of Physics</i> , 2013, 15, 113054.	2.9	21
115	Probing the electronic and spintronic properties of buried interfaces by extremely low energy photoemission spectroscopy. <i>Scientific Reports</i> , 2015, 5, 8537.	3.3	21
116	Determination of local optical response functions of nanostructures with increasing complexity by using single and coupled Lorentzian oscillator models. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	21
117	Orbital angular momentum multiplication in plasmonic vortex cavities. <i>Science Advances</i> , 2021, 7, .	10.3	21
118	Symmetry properties of an electronic alkali excitation at a noble metal surface as investigated by two-photon photoemission. <i>Surface Science</i> , 1998, 402-404, 62-65.	1.9	20
119	Spin injection and spin dynamics at the CuPc/GaAs interface studied with ultraviolet photoemission spectroscopy and two-photon photoemission spectroscopy. <i>Physical Review B</i> , 2008, 78, .	3.2	20
120	Time-resolved 2-photon photoionization on metallic nanoparticles. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 415-418.	2.2	19
121	Spin- and time-resolved photoemission studies of thin Co ₂ FeSi Heusler alloy films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e411-e414.	2.3	19
122	Quantum Oscillations in Coupled Two-Dimensional Electron Systems. <i>Physical Review Letters</i> , 2009, 103, 026802.	7.8	18
123	Spin-polarized photoemission from iron by pulsed laser radiation. <i>Physical Review B</i> , 1986, 34, 7784-7787.	3.2	17
124	Femtosecond lifetime investigations of excited adsorbate states: atomic oxygen on Cu(111). <i>Surface Science</i> , 1997, 377-379, 350-354.	1.9	17
125	Spin-dependent electron dynamics investigated by means of time- and spin-resolved photoemission. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 88-91, 179-183.	1.7	17
126	Ultrafast studies of electronic processes at surfaces using the laser-assisted photoelectric effect with long-wavelength dressing light. <i>Physical Review A</i> , 2009, 79, .	2.5	17

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127	Time-resolved two-photon momentum microscopy – A new approach to study hot carrier lifetimes in momentum space. Review of Scientific Instruments, 2019, 90, 103104.	1.3	17
128	Energy and Momentum Distribution of Surface Plasmon-Induced Hot Carriers Isolated via Spatiotemporal Separation. ACS Nano, 2021, 15, 19559-19569.	14.6	17
129	Effect of ion bombardment on the surface magnetism of Fe ₃ O ₄ . Applied Physics Letters, 1986, 49, 824-825.	3.3	16
130	Ultrafast thermomagnetic writing processes in rare-earth transition-metal thin films. Journal of Applied Physics, 1990, 67, 4438-4440.	2.5	16
131	Energy-resolved electron spin dynamics at surfaces of p-doped GaAs. Physical Review B, 2006, 73, .	3.2	16
132	Dynamics of the coercivity in ultrafast pump-probe experiments. Journal Physics D: Applied Physics, 2008, 41, 164001.	2.8	16
133	Time-resolved photoelectron nano-spectroscopy of individual silver particles: Perspectives and limitations. Physica Status Solidi (B): Basic Research, 2010, 247, 1132-1138.	1.5	16
134	Spin-resolved low-energy and hard x-ray photoelectron spectroscopy of off-stoichiometric Co ₂ MnSi Heusler thin films exhibiting a record TMR. Journal Physics D: Applied Physics, 2015, 48, 164002.	2.8	16
135	High-speed magnetization reversal near the compensation temperature of amorphous GdT ₂ Fe. Applied Physics Letters, 1991, 59, 2189-2191.	3.3	15
136	Ultrafast magnetization dynamics in the half-metallic Heusler alloy Co ₂ Cr _{0.6} Fe _{0.4} Al. Physica Status Solidi (B): Basic Research, 2011, 248, 2330-2337.	1.5	15
137	Nano-Optical Control of Hot-Spot Field Superenhancement on a Corrugated Silver Surface. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 275-282.	2.9	15
138	Ultrafast magnetization dynamics in Co-based Heusler compounds with tuned chemical ordering. New Journal of Physics, 2014, 16, 063068.	2.9	15
139	Photoelectron imaging of modal interference in plasmonic whispering gallery cavities. Optics Express, 2015, 23, 31619.	3.4	15
140	Magnetic properties of epitaxial bcc iron films on Ag(001) investigated by spin-polarized photoemission. Journal of Applied Physics, 1988, 64, 5331-5333.	2.5	14
141	Tailoring the energy level alignment at the Co/Alq ₃ interface by controlled cobalt oxidation. Applied Physics Letters, 2013, 103, .	3.3	14
142	Highly collimated monoenergetic target-surface electron acceleration in near-critical-density plasmas. Applied Physics Letters, 2015, 106, .	3.3	14
143	Structure and electronic properties of the (3 $\sqrt{3}$ \times 3 $\sqrt{3}$) SnAu ₂ /Au(111) surface alloy. Physical Review B, 2018, 98, .	3.2	14
144	Effects of post-growth annealing on structural and compositional properties of the Co ₂ Cr _{0.6} Fe _{0.4} Al surface and its relevance for the surface electron spin polarization. Journal Physics D: Applied Physics, 2009, 42, 084016.	2.8	13

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145	Signatures of an atomic crystal in the band structure of a C_{60} thin film. Physical Review B, 2020, 101, .	3.2	13
146	Exchange coupling of contacted ferromagnetic films: Fe on amorphous TbFe. IEEE Transactions on Magnetics, 1988, 24, 3180-3184.	2.1	12
147	Magnetic field modulated written bits in TbFeCo thin films: Transmission electron microscopy Lorentz and scanning electron microscopy with polarization analysis studies. Journal of Applied Physics, 1990, 68, 4710-4718.	2.5	12
148	Lifetime of an adsorbate excitation modified by a tunable two-dimensional substrate. Physical Review B, 2008, 78, .	3.2	12
149	Time and angle resolved photoemission spectroscopy using femtosecond visible and high-harmonic light. Journal of Physics: Conference Series, 2009, 148, 012042.	0.4	12
150	Excited electron dynamics in bulk ytterbium: Time-resolved two-photon photoemission and GW+Tab initio calculations. Physical Review B, 2007, 76, .	3.2	11
151	Orbital angular momentum structure of an unoccupied spin-split quantum-well state in Pb/Cu(111). Physical Review B, 2013, 87, .	3.2	11
152	Scanning Tunneling Microscopy Study of Ordered C_{60} Submonolayer Films on Co/Au(111). Journal of Physical Chemistry C, 2016, 120, 7568-7574.	3.1	11
153	Ultrafast Charge-Transfer Exciton Dynamics in C_{60} Thin Films. Journal of Physical Chemistry C, 2020, 124, 23579-23587.	3.1	11
154	<title>Lifetime and dephasing of plasmons in Ag nanoparticles</title>. , 2001, 4456, 14.		10
155	Mapping the femtosecond dynamics of supported clusters with nanometer resolution. European Physical Journal D, 2007, 45, 491-499.	1.3	10
156	Evaporation temperature-tuned physical vapor deposition growth engineering of one-dimensional non-Fermi liquid tetrathiofulvalene tetracyanoquinodimethane thin films. Applied Physics Letters, 2010, 97, 111906.	3.3	10
157	Investigation of the spin-dependent properties of electron doped cobalt-CuPc interfaces. Synthetic Metals, 2011, 161, 570-574.	3.9	10
158	Influence of alkylphosphonic acid grafting on the electronic and magnetic properties of La ₂ /3Sr ₁ /3MnO ₃ surfaces. Applied Surface Science, 2015, 353, 24-28.	6.1	10
159	Control of Cooperativity through a Reversible Structural Phase Transition in MoMethyl/Cu(111). Advanced Functional Materials, 2018, 28, 1703544.	14.9	10
160	Near-field mechanism of the enhanced broadband magneto-optical activity of hybrid Au loaded Bi:YIG. Nanoscale, 2020, 12, 7309-7314.	5.6	10
161	Local correlation of photoemission electron microscopy and STM at a defined cluster substrate system. Applied Physics A: Materials Science and Processing, 2006, 82, 87-93.	2.3	9
162	Polarization selective near-field focusing on mesoscopic surface patterns with threefold symmetry measured with PEEM. Optics Letters, 2009, 34, 959.	3.3	9

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163	Adsorption heights and bonding strength of organic molecules on a Pb-Ag surface alloy. <i>Physical Review B</i> , 2016, 94, .	3.2	9
164	Role of primary and secondary processes in the ultrafast spin dynamics of nickel. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	9
165	Time-resolved 2PPE: Probing adsorbate motion on femtosecond time-scales – what is the role of the laser bandwidth?. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 987-994.	2.3	8
166	Time-resolved magnetization dynamics of cross-tie domain walls in permalloy microstructures. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 496001.	1.8	8
167	Microsphere-based cantilevers for polarization-resolved and femtosecond SNOM. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	8
168	Spin- and Angle-Resolved Photoemission Study of the Al ₃ /Co Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6585-6592.	3.1	8
169	Irradiation of supported gold and silver nanoparticles with continuous-wave, nanosecond, and femtosecond laser light: a comparative study. , 2005, , .		7
170	Probing femtosecond plasmon dynamics with nanometer resolution. , 2006, 6195, 238.		7
171	Experimental time-resolved photoemission and <i>ab initio</i> GW+T study of lifetimes of excited electrons in ytterbium. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 496213.	1.8	7
172	Hot-electron dynamics in thin films of sodium-doped perylene-3,4,9,10-tetracarboxylic dianhydride. <i>Physical Review B</i> , 2008, 78, .	3.2	7
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