

Martin Aeschlimann

List of Publications by Year in descending order

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270
papers

12,212
citations

28736

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33145

104
g-index

282
all docs

282
docs citations

282
times ranked

9261
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of primary and secondary processes in the ultrafast spin dynamics of nickel. Applied Physics Letters, 2022, 120, .	1.5	9
2	Atomic and mesoscopic structure of Dy-based surface alloys on noble metals. New Journal of Physics, 2022, 24, 033048.	1.2	1
3	FAIR data enabling new horizons for materials research. Nature, 2022, 604, 635-642.	13.7	81
4	Observation of optical coherence in a disordered metal-molecule interface by coherent optical two-dimensional photoelectron spectroscopy. Physical Review B, 2022, 105, .	1.1	3
5	Coherent response of the electronic system driven by non-interfering laser pulses. Nature Communications, 2022, 13, .	5.8	2
6	Tracing the formation of oxygen vacancies at the conductive LaAlO ₃ /SrTiO ₃ interface via photoemission. , 2022, 1, 210011-210011.		3
7	Vectorial Electron Spin Filtering by an All-Chiral Metal-Molecule Heterostructure. Journal of Physical Chemistry Letters, 2022, 13, 6244-6249.	2.1	5
8	Engineering of Electron Confinement through Defect-Based Localized Polarization on SrTiO ₃ Surface. Advanced Electronic Materials, 2021, 7, 2000968.	2.6	4
9	Functional Meta Lenses for Compound Plasmonic Vortex Field Generation and Control. Nano Letters, 2021, 21, 3941-3946.	4.5	23
10	Mobilization upon Cooling. Angewandte Chemie - International Edition, 2021, 60, 19117-19122.	7.2	2
11	The 2021 ultrafast spectroscopic probes of condensed matter roadmap. Journal of Physics Condensed Matter, 2021, 33, 353001.	0.7	55
12	Von geordneten zu mobilen Molekülen durch Kählen. Angewandte Chemie, 2021, 133, 19265-19270.	1.6	0
13	Orbital angular momentum multiplication in plasmonic vortex cavities. Science Advances, 2021, 7, .	4.7	21
14	Growth, domain structure, and atomic adsorption sites of hBN on the Ni(111) surface. Physical Review Materials, 2021, 5, .	0.9	5
15	Momentum and energy dissipation of hot electrons in a Pb/Ag(111) quantum well system. Physical Review B, 2021, 104, .	1.1	2
16	Ultrafast charge carrier dynamics in potassium-doped endohedral metallofullerene Sc ₃ N@C ₈₀ thin films. Journal of Electron Spectroscopy and Related Phenomena, 2021, 252, 147110.	0.8	1
17	Spectroscopic Evidence for a New Type of Surface Resonance at Noble-Metal Surfaces. Physical Review Letters, 2021, 127, 196405.	2.9	3
18	Energy and Momentum Distribution of Surface Plasmon-Induced Hot Carriers Isolated via Spatiotemporal Separation. ACS Nano, 2021, 15, 19559-19569.	7.3	17

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19	Ultrafast Charge-Transfer Exciton Dynamics in C_{60} Thin Films. Journal of Physical Chemistry C, 2020, 124, 23579-23587.	1.5	11
20	Vertical bonding distances and interfacial band structure of PTCDA on a Sn-Ag surface alloy. Physical Review B, 2020, 102, .	1.1	2
21	Creating a regular array of metal-complexing molecules on an insulator surface at room temperature. Nature Communications, 2020, 11, 6424.	5.8	3
22	Direct evidence for efficient ultrafast charge separation in epitaxial WS_2 /graphene heterostructures. Science Advances, 2020, 6, eaay0761.	4.7	64
23	Near-field mechanism of the enhanced broadband magneto-optical activity of hybrid Au loaded Bi:YIG. Nanoscale, 2020, 12, 7309-7314.	2.8	10
24	Interfacial States Cause Equal Decay of Plasmons and Hot Electrons at Gold-Metal Oxide Interfaces. Nano Letters, 2020, 20, 3338-3343.	4.5	46
25	Tailoring molecular island shapes: influence of microscopic interaction on mesostructure. Nano Research, 2020, 13, 843-852.	5.8	3
26	Ultrafast optically induced spin transfer in ferromagnetic alloys. Science Advances, 2020, 6, eaay8717.	4.7	93
27	Ultrafast magnetization dynamics of Mn-doped L10 FePt with spatial inhomogeneity. Journal of Magnetism and Magnetic Materials, 2020, 502, 166477.	1.0	1
28	Direct light-induced spin transfer between different elements in a spintronic Heusler material via femtosecond laser excitation. Science Advances, 2020, 6, eaaz1100.	4.7	47
29	Signatures of an atomic crystal in the band structure of a C_{60} thin film. Physical Review B, 2020, 101, .	1.1	13
30	Efficiency of ultrafast optically induced spin transfer in Heusler compounds. Physical Review Research, 2020, 2, .	1.3	29
31	Imaging the Dynamics of Charge Transfer and Frenkel Excitons in Molecular Thin Films. , 2020, , .		0
32	Aperiodically ordered nano-graphene on the quasicrystalline substrate. New Journal of Physics, 2020, 22, 093056.	1.2	2
33	Time-resolved two-photon momentum microscopy—A new approach to study hot carrier lifetimes in momentum space. Review of Scientific Instruments, 2019, 90, 103104.	0.6	17
34	Thermal-Driven Formation of 2D Nanoporous Networks on Metal Surfaces. Journal of Physical Chemistry C, 2019, 123, 26263-26271.	1.5	1
35	A case study for the formation of stanene on a metal surface. Communications Physics, 2019, 2, .	2.0	30
36	Equivalence of RABBITT and Streaking Delays in Attosecond-Time-Resolved Photoemission Spectroscopy at Solid Surfaces. Applied Sciences (Switzerland), 2019, 9, 592.	1.3	6

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37	Mixing the Light Spin with Plasmon Orbit by Nonlinear Light-Matter Interaction in Gold. <i>Physical Review X</i> , 2019, 9, .	2.8	27
38	Strong modification of the transport level alignment in organic materials after optical excitation. <i>Nature Communications</i> , 2019, 10, 1470.	5.8	27
39	Modification of Pb quantum well states by the adsorption of organic molecules. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 134005.	0.7	5
40	Enhancing Light Emission in Interface Engineered Spin-Polarized OLEDs through Spin-Polarized Injection at High Voltages. <i>Advanced Materials</i> , 2019, 31, e1806817.	11.1	36
41	Dynamics of Decelerating Plasmonic Vortex Cavities. , 2019, , .		0
42	Development of an analytical simulation framework for angle-resolved photoemission spectra. <i>Physical Review Materials</i> , 2019, 3, .	0.9	0
43	Spin- and Angle-Resolved Photoemission Study of the Al ₃ /Co Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6585-6592.	1.5	8
44	Direct Observation of Surface Plasmon Polariton Propagation and Interference by Time-Resolved Imaging in Normal-Incidence Two Photon Photoemission Microscopy. <i>Plasmonics</i> , 2018, 13, 239-246.	1.8	47
45	Control of Cooperativity through a Reversible Structural Phase Transition in MoMethyl/Cu(111). <i>Advanced Functional Materials</i> , 2018, 28, 1703544.	7.8	10
46	Structure and electronic properties of the (3Å-3)R30~SnAu ₂ /Au(111) surface alloy. <i>Physical Review B</i> , 2018, 98, .	1.1	14
47	Induced versus intrinsic magnetic moments in ultrafast magnetization dynamics. <i>Physical Review B</i> , 2018, 98, .	1.1	24
48	Energy enhancement of the target surface electron by using a 200 TW sub-picosecond laser. <i>Optics Letters</i> , 2018, 43, 3909.	1.7	1
49	Adsorption-induced pyramidal distortion of the trimetallic nitride core inside the endohedral fullerene Sc ₃ N@C ₈₀ on the Ag(111) surface. <i>Physical Review B</i> , 2018, 98, .	1.1	2
50	Metasurfaces and ultrafast dynamics for high angular momentum compound optical fields. , 2018, , .		0
51	Design of Molecular Spintronics Devices Containing Molybdenum Oxide as Hole Injection Layer. <i>Advanced Electronic Materials</i> , 2017, 3, 1600366.	2.6	7
52	Band structure evolution during the ultrafast ferromagnetic-paramagnetic phase transition in cobalt. <i>Science Advances</i> , 2017, 3, e1602094.	4.7	119
53	Revealing the subfemtosecond dynamics of orbital angular momentum in nanoplasmonic vortices. <i>Science</i> , 2017, 355, 1187-1191.	6.0	217
54	Speed and efficiency of femtosecond spin current injection into a nonmagnetic material. <i>Physical Review B</i> , 2017, 96, .	1.1	52

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55	Adaptation of acoustic model experiments of STM via smartphones and tablets. <i>Physics Teacher</i> , 2017, 55, 436-437.	0.2	3
56	Cavity-assisted ultrafast long-range periodic energy transfer between plasmonic nanoantennas. <i>Light: Science and Applications</i> , 2017, 6, e171111-e171111.	7.7	33
57	Distinguishing attosecond electronâ€“electron scattering and screening in transition metals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5300-E5307.	3.3	55
58	Ultrafast magnetization dynamics in Nickel: impact of pump photon energy. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 244002.	0.7	26
59	Plasmonics at the Space-Time Limit. , 2017, , .		0
60	Heisenberg vs. Stoner: Probing the Microscopic Picture of Ultrafast Demagnetization using High Harmonics. , 2017, , .		0
61	Influence of the Material Band Structure on Attosecond Electron Dynamics in Transition Metals. , 2016, , .		0
62	Spin-resolved photoelectron spectroscopy using femtosecond extreme ultraviolet light pulses from high-order harmonic generation. <i>Review of Scientific Instruments</i> , 2016, 87, 043903.	0.6	28
63	Epitaxial growth of thermally stable cobalt films on Au(111). <i>New Journal of Physics</i> , 2016, 18, 103054.	1.2	7
64	Stoner versus Heisenberg: Ultrafast exchange reduction and magnon generation during laser-induced demagnetization. <i>Physical Review B</i> , 2016, 94, .	1.1	72
65	Adsorption heights and bonding strength of organic molecules on a Pb-Ag surface alloy. <i>Physical Review B</i> , 2016, 94, .	1.1	9
66	Light Localization and Magneto-Optic Enhancement in Ni Antidot Arrays. <i>Nano Letters</i> , 2016, 16, 2432-2438.	4.5	36
67	Scanning Tunneling Microscopy Study of Ordered C₆₀ Submonolayer Films on Co/Au(111). <i>Journal of Physical Chemistry C</i> , 2016, 120, 7568-7574.	1.5	11
68	Impact of CoFe buffer layers on the structural and electronic properties of the Co ₂ MnSi/MgO interface. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 195002.	1.3	1
69	Modifying the Surface of a Rashba-Split Pb-Ag Alloy Using Tailored Metal-Organic Bonds. <i>Physical Review Letters</i> , 2016, 117, 096805.	2.9	23
70	Editorial to the Topical Issue â€œUltrafast Nanoopticsâ€• <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	0
71	Microsphere-based cantilevers for polarization-resolved and femtosecond SNOM. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	8
72	Normal-Incidence PEEM Imaging of Propagating Modes in a Plasmonic Nanocircuit. <i>Nano Letters</i> , 2016, 16, 6832-6837.	4.5	28

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73	Self-amplified photo-induced gap quenching in a correlated electron material. Nature Communications, 2016, 7, 12902.	5.8	50
74	Controlled manipulation of the Co/Alq ₃ interface by rational design of Alq ₃ derivatives. Dalton Transactions, 2016, 45, 18365-18376.	1.6	4
75	Dynamic spin filtering at the Co/Alq ₃ interface mediated by weakly coupled second layer molecules. Nature Communications, 2016, 7, 12668.	5.8	55
76	Direct glimpse into the spatiotemporal dynamics of plasmonic vortices. , 2016, , .		0
77	Determination of local optical response functions of nanostructures with increasing complexity by using single and coupled Lorentzian oscillator models. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	21
78	Spin-Resolved Photoemission Spectroscopy of the Heusler Compound Co ₂ MnSi. Springer Series in Materials Science, 2016, , 51-86.	0.4	3
79	High Photon Flux 70 eV HHG Source for Applications in Molecular and Solid State Physics. , 2016, , .		2
80	Heisenberg vs. Stoner: Magnon Generation and Exchange Reduction during Ultrafast Demagnetization. , 2016, , .		0
81	Optical angular momentum dynamics - In the eyes of the beholder. , 2016, , .		0
82	High Photon Flux 70 eV HHG Source for Ultrafast Dynamics. , 2016, , .		0
83	Photoelectron imaging of modal interference in plasmonic whispering gallery cavities. Optics Express, 2015, 23, 31619.	1.7	15
84	Probing the electronic and spintronic properties of buried interfaces by extremely low energy photoemission spectroscopy. Scientific Reports, 2015, 5, 8537.	1.6	21
85	Magnetische Speicher: Schalten mit Licht. Physik in Unserer Zeit, 2015, 46, 180-186.	0.0	0
86	Topological states on the gold surface. Nature Communications, 2015, 6, 10167.	5.8	148
87	Hot electron lifetimes in metals probed by time-resolved two-photon photoemission. Progress in Surface Science, 2015, 90, 319-376.	3.8	164
88	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.	1.3	16
89	Impact of local order and stoichiometry on the ultrafast magnetization dynamics of Heusler compounds. Journal Physics D: Applied Physics, 2015, 48, 164016.	1.3	3
90	Influence of alkylphosphonic acid grafting on the electronic and magnetic properties of La _{2/3} Sr _{1/3} MnO ₃ surfaces. Applied Surface Science, 2015, 353, 24-28.	3.1	10

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91	Highly collimated monoenergetic target-surface electron acceleration in near-critical-density plasmas. Applied Physics Letters, 2015, 106, .	1.5	14
92	Controlling the Spin Texture of Topological Insulators by Rational Design of Organic Molecules. Nano Letters, 2015, 15, 6022-6029.	4.5	37
93	Near-field imaging and spectroscopy of hybridized plasmons (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
94	All-optical control of ferromagnetic thin films and nanostructures: Competition between polarized light and applied magnetic field. , 2015, , .		0
95	Perfect absorption in nanotextured thin films via Anderson-localized photon modes. Nature Photonics, 2015, 9, 663-668.	15.6	46
96	Spin structure of Rashba-split electronic states of Bi overlayers on Cu(1 1 1). Journal of Electron Spectroscopy and Related Phenomena, 2015, 201, 47-52.	0.8	3
97	Electron Lifetimes in a 2D Electron-Gas with Rashba SO-Coupling: Screening Properties. Springer Proceedings in Physics, 2015, , 175-178.	0.1	0
98	Near-Field Imaging and Spectroscopy of Gold Nanoantenna. , 2015, , .		0
99	Ultrafast magnetization dynamics in Co-based Heusler compounds with tuned chemical ordering. New Journal of Physics, 2014, 16, 063068.	1.2	15
100	Spin-orbit enhanced demagnetization rate in Co/Pt-multilayers. Applied Physics Letters, 2014, 105, .	1.5	72
101	Kerr and Faraday microscope for space- and time-resolved studies. European Physical Journal B, 2014, 87, 1.	0.6	1
102	Normal-Incidence Photoemission Electron Microscopy (NI-PEEM) for Imaging Surface Plasmon Polaritons. Plasmonics, 2014, 9, 1401-1407.	1.8	86
103	Subpicosecond magnetization dynamics in TbCo alloys. Physical Review B, 2014, 89, .	1.1	50
104	Engineered materials for all-optical helicity-dependent magnetic switching. Nature Materials, 2014, 13, 286-292.	13.3	507
105	Electronic and magnetic properties of the interface between metal-quinoline molecules and cobalt. Physical Review B, 2014, 89, .	1.1	41
106	All-optical control of ferromagnetic thin films and nanostructures. Science, 2014, 345, 1337-1340.	6.0	524
107	Time- and angle-resolved photoemission spectroscopy with optimized high-harmonic pulses using frequency-doubled Ti:Sapphire lasers. Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 231-236.	0.8	95
108	Studying Ultrafast Magnetization Dynamics with Ultrafast Extreme Ultraviolet Light. , 2014, , .		0

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109	Feedback Effect during Ultrafast Demagnetization Dynamics in Ferromagnets. Physical Review Letters, 2013, 111, 167204.	2.9	117
110	Spatiotemporal Characterization of SPP Pulse Propagation in Two-Dimensional Plasmonic Focusing Devices. Nano Letters, 2013, 13, 1053-1058.	4.5	76
111	Spin-dependent trapping of electrons at interfaces. Nature Physics, 2013, 9, 242-247.	6.5	147
112	Ultrafast element-specific magnetization dynamics of complex magnetic materials on a table-top. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 164-170.	0.8	40
113	Thermally Assisted All-Optical Helicity Dependent Magnetic Switching in Amorphous Fe ₁₀₀ Tb Alloy Films. Advanced Materials, 2013, 25, 3122-3128.	11.1	123
114	Characterization of the Surface Electronic Properties of Co ₂ Cr _{1-x} FexAl ₃ . , 2013, , 271-284.		0
115	Controlling the Competition between Optically Induced Ultrafast Spin-Flip Scattering and Spin Transport in Magnetic Multilayers. Physical Review Letters, 2013, 110, 197201.	2.9	218
116	Publisher's Note: Reply to "Comment on "Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions" [Phys. Rev. X 3 , 038002 (2013) PRXHAE2160-3308]. Physical Review X, 2013, 3, .	2.8	3
117	Energy-resolved magnetic domain imaging in TbCo alloys by valence band photoemission magnetic circular dichroism. Physical Review B, 2013, 88, .	1.1	5
118	Organische Spinventile. Physik in Unserer Zeit, 2013, 44, 111-112.	0.0	1
119	Reply to "Comment on "Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions" [Phys. Rev. X, 2013, 3, .	2.8	0
120	Tailoring the energy level alignment at the Co/Alq ₃ interface by controlled cobalt oxidation. Applied Physics Letters, 2013, 103, .	1.5	14
121	Structural, chemical, and electronic properties of the Co ₂ MnSi(001)/MgO interface. Physical Review B, 2013, 87, .	1.1	30
122	Orbital angular momentum structure of an unoccupied spin-split quantum-well state in Pb/Cu(111). Physical Review B, 2013, 87, .	1.1	11
123	Ultrafast electron dynamics in a metallic quantum well nanofilm with spin splitting. Physical Review B, 2013, 88, .	1.1	7
124	Spin-dependent electronic structure of the Co/Al(OP) ₃ interface. New Journal of Physics, 2013, 15, 113054.	1.2	21
125	Coherent spectroscopies on ultrashort time and length scales. EPJ Web of Conferences, 2013, 41, 09017.	0.1	1
126	Focus on advances in surface and interface science 2010. New Journal of Physics, 2013, 15, 025037.	1.2	0

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127	Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions. <i>Physical Review X</i> , 2012, 2, .	2.8	88
128	Surface spin polarization of the nonstoichiometric Heusler alloy $\text{Co}_{2-x}\text{Mn}_x\text{MnSi}$. <i>Physical Review B</i> , 2012, 85, .	1.1	47
129	Interplay of heating and helicity in all-optical magnetization switching. <i>Physical Review B</i> , 2012, 85, .	1.1	56
130	Optimal open-loop near-field control of plasmonic nanostructures. <i>New Journal of Physics</i> , 2012, 14, 033030.	1.2	24
131	Probing the timescale of the exchange interaction in a ferromagnetic alloy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4792-4797.	3.3	210
132	All-optical magnetization switching using phase shaped ultrashort laser pulses. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2589-2595.	0.8	7
133	Symmetry breaking via orbital-dependent reconstruction of electronic structure in detwinned NaFeAs . <i>Physical Review B</i> , 2012, 85, .	1.1	134
134	Temperature Dependence of Laser-Induced Demagnetization in Ni: A Key for Identifying the Underlying Mechanism. <i>Physical Review X</i> , 2012, 2, .	2.8	106
135	Ultrafast magnetization enhancement in metallic multilayers driven by superdiffusive spin current. <i>Nature Communications</i> , 2012, 3, 1037.	5.8	324
136	Light-induced magnetization reversal of high-anisotropy TbCo alloy films. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	158
137	Nano-Optical Control of Hot-Spot Field Superenhancement on a Corrugated Silver Surface. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 275-282.	1.9	15
138	Coherent Two-Dimensional Nanoscopy. <i>Science</i> , 2011, 333, 1723-1726.	6.0	212
139	Indirect Magnetic Coupling of Manganese Porphyrin to a Ferromagnetic Cobalt Substrate. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1295-1301.	1.5	44
140	Investigation of the spin-dependent properties of electron doped cobalt CuPc interfaces. <i>Synthetic Metals</i> , 2011, 161, 570-574.	2.1	10
141	Ultrafast magnetization dynamics in the half-metallic Heusler alloy $\text{Co}_2\text{Cr}_{0.6}\text{Fe}_{0.4}\text{Al}$. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2330-2337.	0.7	15
142	Magnetostatic coupling of 90° domain walls in $\text{Fe}_{19}\text{Ni}_{81}/\text{Cu}/\text{Co}$ trilayers. <i>New Journal of Physics</i> , 2011, 13, 033015.	1.2	7
143	Spin properties of interfaces with organic semiconductors studied by spin- and time-resolved two-photon photoemission. , 2011, , .		0
144	Spin scattering and spin-polarized hybrid interface states at a metal-organic interface. <i>Physical Review B</i> , 2011, 84, .	1.1	46

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145	All-optical magnetization recording by tailoring optical excitation parameters. Physical Review B, 2011, 84, .	1.1	64
146	Optical near-field interference in the excitation of a bowtie nanoantenna. Physical Review B, 2011, 83, .	1.1	60
147	Driving force of ultrafast magnetization dynamics. New Journal of Physics, 2011, 13, 123010.	1.2	61
148	Probing And Imaging Of Optical Antennas With PEEM. , 2011, , .		0
149	Fabrication and characterization of coaxial scanning near-field optical microscopy cantilever sensors. Microelectronic Engineering, 2010, 87, 1540-1542.	1.1	4
150	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.	0.8	48
151	Time-resolved photoelectron nano-spectroscopy of individual silver particles: Perspectives and limitations. Physica Status Solidi (B): Basic Research, 2010, 247, 1132-1138.	0.7	16
152	Explaining the paradoxical diversity of ultrafast laser-induced demagnetization. Nature Materials, 2010, 9, 259-265.	13.3	729
153	Ultrafast Electron Dynamics in a Pb/Cu(111) Quantum-Well System. , 2010, , .		0
154	Evaporation temperature-tuned physical vapor deposition growth engineering of one-dimensional non-Fermi liquid tetrathiofulvalene tetracyanoquinodimethane thin films. Applied Physics Letters, 2010, 97, 111906.	1.5	10
155	Band structure dependence of hot-electron lifetimes in a Pb/Cu(111) quantum-well system. Physical Review B, 2010, 81, .	1.1	33
156	Quantum-Well-Induced Giant Spin-Orbit Splitting. Physical Review Letters, 2010, 104, 066802.	2.9	92
157	Tailoring the Spin Functionality of a Hybrid Metal-Organic Interface by Means of Alkali-Metal Doping. Physical Review Letters, 2010, 104, 217602.	2.9	39
158	Ultrafast, Element-Specific, Demagnetization Dynamics Probed Using Coherent High Harmonic Beams. , 2010, , .		0
159	Ultrafast, Element-Specific, Demagnetization Dynamics Probed using Coherent High Harmonic Beams. , 2010, , .		0
160	Band-Structure-Dependent Demagnetization in the Heusler Alloy Co_2Mn Physical Review Letters, 2010, 105, 217202.	2.9	58
161	Spatiotemporal control of nanooptical excitations. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5329-5333.	3.3	143
162	Probing adsorbate dynamics with chirped laser pulses in a single-pulse scheme. Physical Review B, 2010, 82, .	1.1	0

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163	Spatiotemporal Near-field Control in Nanostructures. , 2010, , .		0
164	Deterministic Control of Subwavelength Field Localization in Plasmonic Nanoantennas. , 2010, , .		0
165	Ultrafast demagnetization of ferromagnetic transition metals: The role of the Coulomb interaction. Physical Review B, 2009, 80, .	1.1	179
166	Ultrafast studies of electronic processes at surfaces using the laser-assisted photoelectric effect with long-wavelength dressing light. Physical Review A, 2009, 79, .	1.0	17
167	Quantum Oscillations in Coupled Two-Dimensional Electron Systems. Physical Review Letters, 2009, 103, 026802.	2.9	18
168	Time and angle resolved photoemission spectroscopy using femtosecond visible and high-harmonic light. Journal of Physics: Conference Series, 2009, 148, 012042.	0.3	12
169	Time-resolved magnetization dynamics of cross-tie domain walls in permalloy microstructures. Journal of Physics Condensed Matter, 2009, 21, 496001.	0.7	8
170	Effects of post-growth annealing on structural and compositional properties of the $\text{Co}_{2.0}\text{Cr}_{0.6}\text{Fe}_{0.4}\text{Al}$ surface and its relevance for the surface electron spin polarization. Journal Physics D: Applied Physics, 2009, 42, 084016.	1.3	13
171	Magneto-Optical Kerr Effect probed using Ultrafast High-Order Harmonic EUV Light. , 2009, , .		0
172	Determination of spin injection and transport in a ferromagnet/organic semiconductor heterojunction by two-photon photoemission. Nature Materials, 2009, 8, 115-119.	13.3	266
173	Ultrafast Demagnetization Dynamics at the M Edges of Magnetic Elements Observed Using a Tabletop High-Harmonic Soft X-Ray Source. Physical Review Letters, 2009, 103, 257402.	2.9	197
174	The nature of a nonlinear excitation pathway from the Shockley surface state as probed by chirped pulse two photon photoemission. New Journal of Physics, 2009, 11, 013016.	1.2	7
175	Polarization selective near-field focusing on mesoscopic surface patterns with threefold symmetry measured with PEEM. Optics Letters, 2009, 34, 959.	1.7	9
176	Focus on Advances in Surface and Interface Science 2009. New Journal of Physics, 2009, 11, 125001.	1.2	1
177	Time and Space Resolved Studies on Metallic Nanoparticles. Springer Proceedings in Physics, 2009, , 61-68.	0.1	0
178	Laser-Assisted Photoemission from Surfaces driven by Long-Wavelength Infrared light. , 2009, , .		0
179	Ultrafast Demagnetization Probed at Elemental M-edges Using Tabletop High-Order Harmonic EUV Light. , 2009, , .		0
180	Simultaneous Spatial and Temporal Control of Nanooptical Fields. Springer Series in Chemical Physics, 2009, , 705-707.	0.2	1

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181	Dynamics of the coercivity in ultrafast pump-probe experiments. Journal Physics D: Applied Physics, 2008, 41, 164001.	1.3	16
182	Ultrafast Spin Dynamics Including Spin-Orbit Interaction in Semiconductors. Physical Review Letters, 2008, 100, 256601.	2.9	21
183	Laser-assisted photoemission from surfaces. Physical Review A, 2008, 77, .	1.0	79
184	Direct Measurement of Core-Level Relaxation Dynamics on a Surface-Adsorbate System. Physical Review Letters, 2008, 101, 046101.	2.9	88
185	Time-Resolved 2PPE and Time-Resolved PEEM as a Probe of LSP's in Silver Nanoparticles. Journal of Nanomaterials, 2008, 2008, 1-11.	1.5	29
186	Lifetime of an adsorbate excitation modified by a tunable two-dimensional substrate. Physical Review B, 2008, 78, .	1.1	12
187	Electron emission from films of Ag and Au nanoparticles excited by a femtosecond pump-probe laser. Physical Review B, 2008, 77, .	1.1	46
188	Hot-electron dynamics in thin films of sodium-doped perylene-3,4,9,10-tetracarboxylic dianhydride. Physical Review B, 2008, 78, .	1.1	7
189	A new sample holder for laser-excited pump-probe magnetic measurements on a Focus photoelectron emission microscope. Review of Scientific Instruments, 2008, 79, 033702.	0.6	4
190	Spin injection and spin dynamics at the CuPc/GaAs interface studied with ultraviolet photoemission spectroscopy and two-photon photoemission spectroscopy. Physical Review B, 2008, 78, .	1.1	20
191	Adaptive sub-wavelength control of nanoscopic fields. , 2007, , .		0
192	Towards a full Heusler alloy showing room temperature half-metallicity at the surface. Journal Physics D: Applied Physics, 2007, 40, 1544-1547.	1.3	26
193	Adaptive Sub-Wavelength Control of Nano-Optical Fields. , 2007, , LWD2.		0
194	Excited electron dynamics in bulk ytterbium: Time-resolved two-photon photoemission and GW+Tab initio calculations. Physical Review B, 2007, 76, .	1.1	11
195	Angle-resolved photoemission spectroscopy with a femtosecond high harmonic light source using a two-dimensional imaging electron analyzer. Review of Scientific Instruments, 2007, 78, 083105.	0.6	83
196	Laser-assisted photoemission from surfaces. , 2007, , .		0
197	Experimental time-resolved photoemission and <i>ab initio</i> GW+ <i>T</i> study of lifetimes of excited electrons in ytterbium. Journal of Physics Condensed Matter, 2007, 19, 496213.	0.7	7
198	Adaptive subwavelength control of nano-optical fields. Nature, 2007, 446, 301-304.	13.7	508

#	ARTICLE	IF	CITATIONS
199	Spin- and time-resolved photoemission studies of thin Co ₂ FeSi Heusler alloy films. Journal of Magnetism and Magnetic Materials, 2007, 316, e411-e414.	1.0	19
200	Mapping the femtosecond dynamics of supported clusters with nanometer resolution. European Physical Journal D, 2007, 45, 491-499.	0.6	10
201	Phase propagation of localized surface plasmons probed by time-resolved photoemission electron microscopy. Applied Physics A: Materials Science and Processing, 2007, 88, 473-480.	1.1	51
202	Local 2PPE-yield enhancement in a defined periodic silver nanodisk array. Surface Science, 2007, 601, 4714-4721.	0.8	33
203	Spin- and Time-Resolved Two Photon Photoemission. , 2007, , .		0
204	Spin-resolved two-photon photoemission study of the surface resonance state on Co ²⁺ /Cu(001). Physical Review B, 2006, 74, .	1.1	34
205	Spin-Flip Processes and Ultrafast Magnetization Dynamics in Co: Unifying the Microscopic and Macroscopic View of Femtosecond Magnetism. Physical Review Letters, 2006, 97, 177201.	2.9	146
206	Laser-Assisted Photoelectric Effect from Surfaces. Physical Review Letters, 2006, 97, 113604.	2.9	151
207	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.	1.1	9
208	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.	1.1	23
209	Probing femtosecond plasmon dynamics with nanometer resolution. , 2006, 6195, 238.		7
210	Spin Injection and Spin Dynamics at CuPC/GaAs(100) Interface. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
211	Experimental time-resolved photoemission andab initiostudy of lifetimes of excited electrons in Mo and Rh. Physical Review B, 2006, 74, .	1.1	29
212	Space charge effects in photoemission with a low repetition, high intensity femtosecond laser source. Journal of Applied Physics, 2006, 100, 024912.	1.1	116
213	The laser-assisted photoelectric effect on surfaces. , 2006, , .		1
214	Quantum-Well Wave-Function Localization and the Electron-Phonon Interaction in Thin Ag Nanofilms. Physical Review Letters, 2006, 97, 236809.	2.9	35
215	Epitaxial film growth and magnetic properties ofCo ₂ FeSi. Physical Review B, 2006, 74, .	1.1	73
216	Energy-resolved electron spin dynamics at surfaces ofp-doped GaAs. Physical Review B, 2006, 73, .	1.1	16

#	ARTICLE	IF	CITATIONS
217	Laser-Assisted Photoelectric Effect on Pt(111)., 2006, , .		0
218	Adaptive control of nanoscopic photoelectron emission. , 2006, , .		0
219	The lateral photoemission distribution from a defined cluster/substrate system as probed by photoemission electron microscopy. New Journal of Physics, 2005, 7, 68-68.	1.2	28
220	Time-resolved 2PPE: Probing adsorbate motion on femtosecond time-scales â€“ what is the role of the laser bandwidth?. Applied Physics A: Materials Science and Processing, 2005, 80, 987-994.	1.1	8
221	Irradiation of supported gold and silver nanoparticles with continuous-wave, nanosecond, and femtosecond laser light: a comparative study. , 2005, , .		7
222	Lifetimes of excited electrons in Ta:â€“Experimental time-resolved photoemission data and first-principlesGW+Ttheory. Physical Review B, 2004, 70, .	1.1	34
223	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.	1.1	30
224	Relaxation of Hot Electrons in Solids of Reduced Dimensions. , 2003, , 227-239.		1
225	Time-resolved two photon photoemission electron microscopy. Applied Physics B: Lasers and Optics, 2002, 74, 223-227.	1.1	156
226	Dynamics of excited electrons in metals, thin films and nanostructures. Journal of Electron Spectroscopy and Related Phenomena, 2002, 124, 225-243.	0.8	70
227	Do Mie plasmons have a longer lifetime on resonance than off resonance?. Applied Physics B: Lasers and Optics, 2001, 73, 305-310.	1.1	82
228	<title>Lifetime and dephasing of plasmons in Ag nanoparticles</title>. , 2001, 4456, 14.		10
229	Transport and dynamics of optically excited electrons in metals. Applied Physics A: Materials Science and Processing, 2000, 71, 485-491.	1.1	91
230	Dynamics of excited electrons in copper and ferromagnetic transition metals: Theory and experiment. Physical Review B, 2000, 61, 9427-9440.	1.1	154
231	SNAPSHOTS OF ELECTRONIC SURFACE EXCITATION: OBSERVING ADSORBATE DYNAMICS WITH FEMTOSECOND TIME-RESOLUTION. , 2000, , .		0
232	Decay dynamics of photoexcited alkali chemisorbates:â€“Real-time investigations in the femtosecond regime. Physical Review B, 1999, 60, 5016-5028.	1.1	122
233	Time-resolved 2-photon photoionization on metallic nanoparticles. Applied Physics B: Lasers and Optics, 1999, 68, 415-418.	1.1	19
234	Title is missing!. Catalysis Letters, 1998, 56, 1-6.	1.4	21

#	ARTICLE	IF	CITATIONS
235	Spin-dependent electron dynamics investigated by means of time- and spin-resolved photoemission. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 179-183.	0.8	17
236	Direct transition in the system Ag(111) studied by one- and two-photon photoemission. Surface Science, 1998, 402-404, 556-560.	0.8	30
237	Symmetry properties of an electronic alkali excitation at a noble metal surface as investigated by two-photon photoemission. Surface Science, 1998, 402-404, 62-65.	0.8	20
238	<title>Electron dynamics of aluminum investigated by means of time-resolved photoemission</title>. , 1998, , .		33
239	Femtosekundenâ€Dynamik in Metallen â€” das kurze Leben heiÃŸer Elektronen. Physik Journal, 1998, 54, 145-148.	0.1	22
240	Resonance lifetime and energy of an excited Cs state on Cu(111). Physical Review B, 1997, 55, 10040-10043.	1.1	143
241	Ultrafast Spin-Dependent Electron Dynamics in fcc Co. Physical Review Letters, 1997, 79, 5158-5161.	2.9	287
242	Lifetime difference of photoexcited electrons between intraband and interband transitions. Surface Science, 1997, 377-379, 206-209.	0.8	61
243	Femtosecond lifetime investigations of excited adsorbate states: atomic oxygen on Cu(111). Surface Science, 1997, 377-379, 350-354.	0.8	17
244	Competing nonradiative channels for hot electron induced surface photochemistry. Chemical Physics, 1996, 205, 127-141.	0.9	140
245	Time-resolved electron diffraction to study photoinduced molecular dynamics at single crystal surfaces. , 1995, 2521, 103.		3
246	Femtosecond Timeâ€Resolved Measurement of Electron Relaxation at Metal Surfaces. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1995, 99, 1504-1508.	0.9	23
247	A picosecond electron gun for surface analysis. Review of Scientific Instruments, 1995, 66, 1000-1009.	0.6	46
248	Observation of surface enhanced multiphoton photoemission from metal surfaces in the short pulse limit. Journal of Chemical Physics, 1995, 102, 8606-8613.	1.2	144
249	Time-resolved two-photon photoemission from Cu(100): Energy dependence of electron relaxation. Physical Review B, 1994, 50, 8957-8960.	1.1	173
250	<title>Femtosecond studies of carrier relaxation processes at single crystal metal surfaces</title>. , 1994, 2125, 98.		6
251	Micromagnetics of surface segregation regions in domains written in TbFeCo alloys (magneto-optical) Tj ETQq1 1 0,784314 rgBT /Overl	1.2	6
252	Scanning electron microscopy with polarization analysis (SEMPA) â€” studies of domains, domain walls and magnetic singularities at surfaces and in thin films. Journal of Magnetism and Magnetic Materials, 1991, 93, 109-115.	1.0	5

#	ARTICLE	IF	CITATIONS
253	Time-resolved photoemission spectroscopy on ferromagnetic surfaces and thin films. Journal of Magnetism and Magnetic Materials, 1991, 93, 523-528.	1.0	2
254	High-speed magnetization reversal near the compensation temperature of amorphous GdTbFe. Applied Physics Letters, 1991, 59, 2189-2191.	1.5	15
255	Picosecond spin-polarized photoemission studies of magnetic materials (invited) (abstract). Journal of Applied Physics, 1991, 69, 5003-5003.	1.1	0
256	Magnetization reversal in a-GdTbFe investigated by time-resolved, spin-polarized photoemission. Journal of Magnetism and Magnetic Materials, 1990, 83, 85-86.	1.0	1
257	Ultrafast thermomagnetic writing processes in rare-earth transition-metal thin films. Journal of Applied Physics, 1990, 67, 4438-4440.	1.1	16
258	Different spin and lattice temperatures observed by spin-polarized photoemission with picosecond laser pulses. Journal of Applied Physics, 1990, 67, 5661-5663.	1.1	25
259	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.	1.1	12
260	Observation of Pulsed Laser Induced Melting of Solid Surfaces by Optical Spin Orientation. Materials Research Society Symposia Proceedings, 1989, 157, 377.	0.1	0
261	Exchange coupling of contacted ferromagnetic films: Fe on amorphous TbFe. IEEE Transactions on Magnetics, 1988, 24, 3180-3184.	1.2	12
262	Magnetic properties of thin fcc iron films on Cu(001) (invited). Journal of Applied Physics, 1988, 64, 5321-5324.	1.1	68
263	Magnetic properties of epitaxial bcc iron films on Ag(001) investigated by spin-polarized photoemission. Journal of Applied Physics, 1988, 64, 5331-5333.	1.1	14
264	Lack of evidence for ferromagnetism in the vanadium monolayer on Ag(001). Physical Review B, 1988, 37, 10380-10382.	1.1	75
265	MAGNETIC PROPERTIES OF EPITAXIAL IRON FILMS. Journal De Physique Colloque, 1988, 49, C8-1661-C8-1662.	0.2	0
266	LASER-WRITING AND PHOTOEMISSION-READING ON EPITAXIAL MAGNETIC THIN FILMS. Journal De Physique Colloque, 1988, 49, C8-1963-C8-1964.	0.2	0
267	Magnetism of Epitaxial bcc Iron on Ag(001) Observed by Spin-Polarized Photoemission. Physical Review Letters, 1987, 59, 2483-2485.	2.9	251
268	Spin-polarized photoemission from iron by pulsed laser radiation. Physical Review B, 1986, 34, 7784-7787.	1.1	17
269	Effect of ion bombardment on the surface magnetism of Fe ₃ O ₄ . Applied Physics Letters, 1986, 49, 824-825.	1.5	16
270	Spin- and Energy Relaxation of Hot Electrons at GaAs Surfaces. , 0, , 309-340.		2