

Jacques Ghijsen

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95 papers	5,674 citations	31 h-index	75 g-index
96 ext. papers	5,934 ext. citations	3.5 avg, IF	4.53 L-index

#	Paper	IF	Citations
95	Electronic structure of Cu ₂ O and CuO. <i>Physical Review B</i> , 1988 , 38, 11322-11330	3.3	1318
94	Oxygen 1s x-ray-absorption edges of transition-metal oxides. <i>Physical Review B</i> , 1989 , 40, 5715-5723	3.3	961
93	Conjugated organic molecules on metal versus polymer electrodes: Demonstration of a key energy level alignment mechanism. <i>Applied Physics Letters</i> , 2003 , 82, 70-72	3.4	456
92	Character of holes in Li _x Ni _{1-x} O and their magnetic behavior. <i>Physical Review Letters</i> , 1989 , 62, 221-224	7.4	347
91	Electronic structure of Ag ₂ O. <i>Physical Review B</i> , 1990 , 41, 3190-3199	3.3	299
90	X-ray absorption study of the O 2p hole concentration dependence on O stoichiometry in YBa ₂ Cu ₃ O _x . <i>Physical Review B</i> , 1988 , 38, 6483-6489	3.3	172
89	Synchrotron radiation study of Cd _{1-x} Mn _x Te (0 < x < 1). <i>Physical Review B</i> , 1986 , 33, 1206-1212	3.3	120
88	Resonant photoemission study of the electronic structure of CuO and Cu ₂ O. <i>Physical Review B</i> , 1990 , 42, 2268-2274	3.3	118
87	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. <i>Physical Review B</i> , 2003 , 68,	3.3	112
86	Giant Cu 2p resonances in CuO valence-band photoemission. <i>Physical Review Letters</i> , 1991 , 67, 501-504	7.4	111
85	Manganese-derived partial density of states in Cd _{1-x} Mn _x Te. <i>Physical Review B</i> , 1987 , 35, 2839-2843	3.3	104
84	Decorating carbon nanotubes with nickel nanoparticles. <i>Chemical Physics Letters</i> , 2007 , 436, 368-372	2.5	82
83	Platinum-carbon nanotube interaction. <i>Chemical Physics Letters</i> , 2008 , 462, 260-264	2.5	68
82	Core excitons and conduction-band structures in orthorhombic GeS, GeSe, SnS, and SnSe single crystals. <i>Physical Review B</i> , 1990 , 42, 3634-3643	3.3	63
81	Physisorption-like Interaction at the Interfaces Formed by Pentacene and Samarium. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4192-4196	3.4	56
80	Surface Molecular Structure of Self-Assembled Alkanethiols Evidenced by UPS and Photoemission with Synchrotron Radiation. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 884-890	3.4	50
79	Electronic structure of Pd nanoparticles on carbon nanotubes. <i>Micron</i> , 2009 , 40, 74-9	2.3	48

78	Incipient oxidation of magnesium: A high-resolution electron-energy-loss and photoemission study. <i>Physical Review B</i> , 1989 , 39, 3620-3631	3.3	47
77	Adsorption of oxygen on the magnesium (0001) surface studied by XPS. <i>Applications of Surface Science</i> , 1981 , 8, 397-411		46
76	The Hiroshima Synchrotron Radiation Center (HSRC). <i>Journal of Synchrotron Radiation</i> , 1998 , 5, 1176-9	2.4	45
75	Bipolaron: The Stable Charged Species in n-Doped p-Sexiphenyl. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 1434-1438	3.4	45
74	The role of oxygen at the interface between titanium and carbon nanotubes. <i>ChemPhysChem</i> , 2009 , 10, 1799-804	3.2	44
73	Metallic nanoparticles on plasma treated carbon nanotubes: Nano2hybrids. <i>Surface Science</i> , 2007 , 601, 2800-2804	1.8	42
72	Photoemission study of the copper/poly(ethylene terephthalate) interface. <i>Physical Review B</i> , 1991 , 44, 10815-10825	3.3	39
71	Mixed valence of Sm on metal single-crystal surfaces. <i>Physical Review B</i> , 1988 , 37, 4809-4812	3.3	39
70	Probing the interaction between gold nanoparticles and oxygen functionalized carbon nanotubes. <i>Carbon</i> , 2009 , 47, 1549-1554	10.4	38
69	Preparation of organic nanoparticles using microemulsions: their potential use in transdermal delivery. <i>Langmuir</i> , 2007 , 23, 1965-73	4	38
68	Electronic Properties of the Interfaces Between the Wide Bandgap Organic Semiconductor Para-Sexiphenyl and Samarium. <i>Advanced Functional Materials</i> , 2001 , 11, 51-58	15.6	37
67	Nitrogen ion casting on vertically aligned carbon nanotubes: Tip and sidewall chemical modification. <i>Carbon</i> , 2014 , 77, 319-328	10.4	35
66	Photoemission studies of gold clusters thermally evaporated on multiwall carbon nanotubes. <i>Chemical Physics</i> , 2006 , 328, 385-391	2.3	34
65	Influence of the nature of the noble metal (Rh,Pt) on the low-temperature reducibility of a Ce/Tb mixed oxide with application as TWC component. <i>Surface and Interface Analysis</i> , 2002 , 34, 120-124	1.5	31
64	Study of the interaction between copper and carbon nanotubes. <i>Chemical Physics Letters</i> , 2012 , 535, 80-83	2.5	30
63	Effect of oxygen rf-plasma on electronic properties of CNTs. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 7379-7382	3	29
62	Optically induced electron transfer from conjugated organic molecules to charged metal clusters. <i>Thin Solid Films</i> , 2003 , 441, 145-149	2.2	28
61	Comparative study of the electronic structure of the ordered and disordered Cu ₃ Au (100) and Cu ₃ Au (110) surfaces. <i>European Physical Journal B</i> , 1989 , 75, 235-243	1.2	27

60	Study of the interface between rhodium and carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 1680-6	16.7	26
59	Functionalization of MWCNTs with atomic nitrogen. <i>Micron</i> , 2009 , 40, 85-8	2.3	25
58	Infrared optical constants of orthorhombic IV-VI lamellar semiconductors refined by a combined study using optical and electronic spectroscopies. <i>Physical Review B</i> , 1993 , 47, 16222-16228	3.3	25
57	Cu adsorption on carboxylic acid-terminated self-assembled monolayers: a high-resolution X-ray photoelectron spectroscopy study. <i>Thin Solid Films</i> , 2004 , 464-465, 388-392	2.2	23
56	Photoemission study of CF ₄ rf-Plasma treated multi-wall carbon nanotubes. <i>Carbon</i> , 2008 , 46, 1271-1275	0.4	21
55	Surface plasmon spectroscopy: Photoelectron spectra from adsorbates on aluminium. <i>Surface Science</i> , 1979 , 80, 488-502	1.8	20
54	Functionalization of MWCNTs with atomic nitrogen: electronic structure. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 045202	3	19
53	The influence of the counterion on the electronic structure in doped phenylene-based materials. <i>Surface Science</i> , 2000 , 454-456, 1000-1004	1.8	19
52	Copper/oxide interface formation: a vibrational and electronic investigation by electron spectroscopies. <i>Surface Science</i> , 1992 , 265, 31-38	1.8	19
51	Electron spectroscopy study of the CuSrTiO ₃ (100) interface. <i>Surface Science</i> , 1996 , 359, 82-92	1.8	17
50	Photoemission study of the Al-Sb(111) interface. <i>Physical Review B</i> , 1987 , 35, 7927-7935	3.3	16
49	Spectroscopy and defect identification for fluorinated carbon nanotubes. <i>ChemPhysChem</i> , 2009 , 10, 920-925	3.2	15
48	Study of Fe/Si multilayers by photoemission spectroscopy. <i>Journal of Alloys and Compounds</i> , 2004 , 362, 202-205	5.7	13
47	Thermally Activated Processes at the Co/ZnO Interface Elucidated Using High Energy X-rays. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7411-7418	3.8	12
46	Summary Abstract: Surface states at the (110) surface of InAs and InSb and the growth of AlAs at submonolayer coverage of Al studied by angle-resolved photoelectron spectroscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1986 , 4, 900		12
45	Promotion of the Si(100)-O ₂ reaction by Sm. <i>Physical Review B</i> , 1991 , 43, 4216-4223	3.3	11
44	J-complexes of retinol formed within the nanoparticles prepared from microemulsions. <i>Colloid and Polymer Science</i> , 2008 , 286, 15-30	2.4	10
43	Growth of atomically flat Ag on mica. <i>Surface Science</i> , 2004 , 572, 459-466	1.8	10

42	THE Sm/Si(100) interface studied by electron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990 , 52, 67-78	1.7	10
41	High resolution electron energy loss spectroscopic study of the interaction of oxygen with magnesium single crystal surfaces.. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1983 , 29, 193-198	1.7	10
40	VUV photoemission using synchrotron light: a tool for characterising surfaces and interfaces occurring in OLEDs. <i>Journal of Alloys and Compounds</i> , 2004 , 382, 179-186	5.7	9
39	Oxide formation on the CdTe(111)A (1 $\bar{1}$) surface. <i>Applied Surface Science</i> , 2000 , 166, 237-241	6.7	9
38	Rare earth 4f states in AlV1 $\bar{1}$ RExBVI diluted magnetic semiconductors. <i>Journal of Alloys and Compounds</i> , 1999 , 286, 121-127	5.7	9
37	Resonant photoemission in single-crystal black phosphorus. <i>Physical Review B</i> , 1989 , 39, 11160-11163	3.3	9
36	Photoemission study of UFe ₂ and UPt ₃ using synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1985 , 37, 163-169	1.7	9
35	Structural and electronic properties of AgBd superlattices. <i>Physical Review B</i> , 2004 , 70,	3.3	8
34	Interfacial electronic structure for Ca and an electroluminescent polymer: Poly (2,5-diheptyl-1,4-phenylene-alt-2,5-thienylene). <i>Journal of Applied Physics</i> , 2000 , 87, 1331-1336	2.5	8
33	Surface molecular structure of self-assembled alkanethiols evidenced by UPS, synchrotron radiation and HREELS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995 , 76, 523-528	1.7	8
32	Clean and doped surface electronic structure in angle-resolved and resonant photoemission study. <i>Progress in Surface Science</i> , 2001 , 67, 323-338	6.6	7
31	Photoemission study of Gd atoms on CdTe(100) surface. <i>Applied Surface Science</i> , 2000 , 166, 231-236	6.7	7
30	Phase Transitions at the Mn/ZnO (0001) Interface Probed by High Energy X-ray Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 665-670	3.8	6
29	X-ray and ultraviolet photoemission study of electronic structure of Sn1 $\bar{1}$ MnxTe MBE layers. <i>Surface Science</i> , 2002 , 507-510, 155-159	1.8	6
28	Electronic structure of antimony from density-functional calculations and angle-resolved photoemission. <i>Physical Review B</i> , 1991 , 44, 11023-11028	3.3	6
27	Photoemission study (XPS, UPS) of PuFe ₂ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1985 , 35, 19-26	1.7	6
26	Physical Chemistry of the Mn/ZnO (0001) Interface Probed by Hard X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20603-20609	3.8	5
25	X-ray photoemission study of manganese thin films deposited on a layered semiconductor. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 372-377		5

24	Photoemission study of Sn _{1-x} MnxSe ₂ . <i>Journal of Alloys and Compounds</i> , 2001 , 328, 166-170	5.7	5
23	Cross section effects in photoemission from CuBr. <i>European Physical Journal B</i> , 1991 , 85, 211-216	1.2	5
22	Resonant Photoemission in UMn ₂ . <i>Physica Scripta</i> , 1987 , 35, 877-879	2.6	5
21	InSb growth on Sb(111) single crystals studied by angle-resolved photoemission. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1987 , 5, 1057		5
20	Demixing processes in AgPd superlattices. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 315002	1.8	4
19	Observation of filled states at the Fermi-level in alkali-metal intercalated organic films: dependence on substrate work function. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005 , 144-147, 495-498	1.7	4
18	Photoemission investigations of manganese thin films deposited on GeS() surfaces. <i>Surface Science</i> , 2002 , 506, 172-182	1.8	4
17	Low energy electron inelastic scattering at surfaces: Application to Mg(001) and (11 00). <i>Surface Science</i> , 1983 , 126, 177-182	1.8	4
16	Structural and photoemission investigations of a new pseudo binary semimagnetic semiconductor: Sn _{1-x} MnxSe ₂ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 110, 143-151	3.1	3
15	Electronic structure of AgPd heterostructures. <i>Computational Materials Science</i> , 2004 , 30, 34-43	3.2	3
14	Investigation of the structure of a Ag/Pd/Ag() trilayer by means of electronic spectroscopies. <i>Surface Science</i> , 2002 , 507-510, 234-239	1.8	3
13	Surface vibrational investigation of CuO by high resolution electron-energy-loss spectroscopy. <i>Surface Science</i> , 1992 , 269-270, 1089-1095	1.8	3
12	Character of Holes in Li _x Ni _{1-x} O and Their Magnetic Behavior. <i>Physical Review Letters</i> , 1989 , 62, 1214-1217	4.4	3
11	XPS Study of CO Adsorption on Simple Metals. <i>Japanese Journal of Applied Physics</i> , 1978 , 17, 264	1.4	3
10	Vibrational properties of thin CaF ₂ /Si(111) epitaxial layers studied by high resolution electron energy loss spectroscopy. <i>Surface Science</i> , 1992 , 269-270, 152-157	1.8	2
9	The Hiroshima Synchrotron Radiation center. <i>Synchrotron Radiation News</i> , 1997 , 10, 5-10	0.6	1
8	Surface and electronic structure of Ga _{0.92} In _{0.08} N thin film investigated by photoelectron spectroscopy. <i>Thin Solid Films</i> , 2005 , 476, 396-404	2.2	1
7	A New Alternative for the Low-Workfunction Electrode in Organic Devices. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 598, 23		1

6	Photoemission study of the BiCuO interface. <i>Surface Science</i> , 1996 , 369, 177-184	1.8	1
5	Cage relaxation effects on the local density of states in a C60 derivative. <i>Chemical Physics Letters</i> , 1996 , 257, 163-168	2.5	1
4	Diffuse and abrupt interface formation studied by high resolution electron energy loss spectroscopy. <i>Superlattices and Microstructures</i> , 1990 , 7, 253-258	2.8	1
3	The benefit of the European User Community from transnational access to national radiation facilities. <i>Journal of Synchrotron Radiation</i> , 2014 , 21, 638-9	2.4	0
2	Preparation of Organic Nanoparticles Using Microemulsions: Their Potential Use in Transdermal Delivery. <i>Langmuir</i> , 2008 , 24, 9181-9181	4	
1	High Resolution Electron Energy Loss Spectroscopic Study of the Interaction of Oxygen with Magnesium Single Crystal Surfaces. <i>Studies in Surface Science and Catalysis</i> , 1983 , 14, 193-198	1.8	