

# Jacques Ghijsen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nitrogen ion casting on vertically aligned carbon nanotubes: Tip and sidewall chemical modification. <i>Carbon</i> , <b>2014</b> , 77, 319-328	10.4	35
94	The benefit of the European User Community from transnational access to national radiation facilities. <i>Journal of Synchrotron Radiation</i> , <b>2014</b> , 21, 638-9	2.4	0
93	Study of the interaction between copper and carbon nanotubes. <i>Chemical Physics Letters</i> , <b>2012</b> , 535, 80-83	2.5	30
92	Phase Transitions at the Mn/ZnO (0001 ) Interface Probed by High Energy X-ray Spectroscopies. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 665-670	3.8	6
91	Physical Chemistry of the Mn/ZnO (0001 ) Interface Probed by Hard X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 20603-20609	3.8	5
90	Thermally Activated Processes at the Co/ZnO Interface Elucidated Using High Energy X-rays. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7411-7418	3.8	12
89	Study of the interface between rhodium and carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 1680-6	16.7	26
88	Demixing processes in AgPd superlattices. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 315002	1.8	4
87	Spectroscopy and defect identification for fluorinated carbon nanotubes. <i>ChemPhysChem</i> , <b>2009</b> , 10, 920-52	3.2	15
86	The role of oxygen at the interface between titanium and carbon nanotubes. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1799-804	3.2	44
85	Functionalization of MWCNTs with atomic nitrogen. <i>Micron</i> , <b>2009</b> , 40, 85-8	2.3	25
84	Electronic structure of Pd nanoparticles on carbon nanotubes. <i>Micron</i> , <b>2009</b> , 40, 74-9	2.3	48
83	Probing the interaction between gold nanoparticles and oxygen functionalized carbon nanotubes. <i>Carbon</i> , <b>2009</b> , 47, 1549-1554	10.4	38
82	Preparation of Organic Nanoparticles Using Microemulsions: Their Potential Use in Transdermal Delivery. <i>Langmuir</i> , <b>2008</b> , 24, 9181-9181	4	
81	Functionalization of MWCNTs with atomic nitrogen: electronic structure. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 045202	3	19
80	J-complexes of retinol formed within the nanoparticles prepared from microemulsions. <i>Colloid and Polymer Science</i> , <b>2008</b> , 286, 15-30	2.4	10
79	Platinum-carbon nanotube interaction. <i>Chemical Physics Letters</i> , <b>2008</b> , 462, 260-264	2.5	68

78	Photoemission study of CF <sub>4</sub> rf-Plasma treated multi-wall carbon nanotubes. <i>Carbon</i> , <b>2008</b> , 46, 1271-1275	0.4	21
77	Preparation of organic nanoparticles using microemulsions: their potential use in transdermal delivery. <i>Langmuir</i> , <b>2007</b> , 23, 1965-73	4	38
76	Decorating carbon nanotubes with nickel nanoparticles. <i>Chemical Physics Letters</i> , <b>2007</b> , 436, 368-372	2.5	82
75	Metallic nanoparticles on plasma treated carbon nanotubes: Nano2hybrids. <i>Surface Science</i> , <b>2007</b> , 601, 2800-2804	1.8	42
74	Effect of oxygen rf-plasma on electronic properties of CNTs. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 7379-7382	3	29
73	Photoemission studies of gold clusters thermally evaporated on multiwall carbon nanotubes. <i>Chemical Physics</i> , <b>2006</b> , 328, 385-391	2.3	34
72	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> , <b>2005</b> , 144-147, 495-498	1.7	4
71	Surface and electronic structure of Ga <sub>0.92</sub> In <sub>0.08</sub> N thin film investigated by photoelectron spectroscopy. <i>Thin Solid Films</i> , <b>2005</b> , 476, 396-404	2.2	1
70	Structural and electronic properties of Ag/Bd superlattices. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	8
69	Structural and photoemission investigations of a new pseudo binary semimagnetic semiconductor: Sn <sub>1-x</sub> Mn <sub>x</sub> Se <sub>2</sub> . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2004</b> , 110, 143-151	3.1	3
68	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> , <b>2004</b> , 1, 372-377		5
67	Cu adsorption on carboxylic acid-terminated self-assembled monolayers: a high-resolution X-ray photoelectron spectroscopy study. <i>Thin Solid Films</i> , <b>2004</b> , 464-465, 388-392	2.2	23
66	Growth of atomically flat Ag on mica. <i>Surface Science</i> , <b>2004</b> , 572, 459-466	1.8	10
65	Electronic structure of Ag/Bd heterostructures. <i>Computational Materials Science</i> , <b>2004</b> , 30, 34-43	3.2	3
64	VUV photoemission using synchrotron light: a tool for characterising surfaces and interfaces occurring in OLEDs. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 382, 179-186	5.7	9
63	Study of Fe/Si multilayers by photoemission spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 362, 202-205	5.7	13
62	Optically induced electron transfer from conjugated organic molecules to charged metal clusters. <i>Thin Solid Films</i> , <b>2003</b> , 441, 145-149	2.2	28
61	Conjugated organic molecules on metal versus polymer electrodes: Demonstration of a key energy level alignment mechanism. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 70-72	3.4	456

60	Interplay between morphology, structure, and electronic properties at diindenoperylene-gold interfaces. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	112
59	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> , <b>2002</b> , 34, 120-124	1.5	31
58	X-ray and ultraviolet photoemission study of electronic structure of Sn <sub>1-x</sub> MnxTe MBE layers. <i>Surface Science</i> , <b>2002</b> , 507-510, 155-159	1.8	6
57	Investigation of the structure of a Ag/Pd/Ag() trilayer by means of electronic spectroscopies. <i>Surface Science</i> , <b>2002</b> , 507-510, 234-239	1.8	3
56	Physisorption-like Interaction at the Interfaces Formed by Pentacene and Samarium. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 4192-4196	3.4	56
55	Photoemission investigations of manganese thin films deposited on GeS() surfaces. <i>Surface Science</i> , <b>2002</b> , 506, 172-182	1.8	4
54	Clean and doped surface electronic structure in angle-resolved and resonant photoemission study. <i>Progress in Surface Science</i> , <b>2001</b> , 67, 323-338	6.6	7
53	Electronic Properties of the Interfaces Between the Wide Bandgap Organic Semiconductor Para-Sexiphenyl and Samarium. <i>Advanced Functional Materials</i> , <b>2001</b> , 11, 51-58	15.6	37
52	Photoemission study of Sn <sub>1-x</sub> MnxSe <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 328, 166-170	5.7	5
51	Photoemission study of Gd atoms on CdTe(100) surface. <i>Applied Surface Science</i> , <b>2000</b> , 166, 231-236	6.7	7
50	Oxide formation on the CdTe(111)A (1 $\times$ 1) surface. <i>Applied Surface Science</i> , <b>2000</b> , 166, 237-241	6.7	9
49	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> , <b>2000</b> , 87, 1331-1336	2.5	8
48	The influence of the counterion on the electronic structure in doped phenylene-based materials. <i>Surface Science</i> , <b>2000</b> , 454-456, 1000-1004	1.8	19
47	Bipolaron: The Stable Charged Species in n-Doped p-Sexiphenyl. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 1434-1438	3.4	45
46	Rare earth 4f states in AlV <sub>1-x</sub> RE <sub>x</sub> BVI diluted magnetic semiconductors. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 286, 121-127	5.7	9
45	A New Alternative for the Low-Workfunction Electrode in Organic Devices. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 598, 23		1
44	The Hiroshima Synchrotron Radiation Center (HSRC). <i>Journal of Synchrotron Radiation</i> , <b>1998</b> , 5, 1176-9	2.4	45
43	The Hiroshima Synchrotron Radiation center. <i>Synchrotron Radiation News</i> , <b>1997</b> , 10, 5-10	0.6	1

42	Surface Molecular Structure of Self-Assembled Alkanethiols Evidenced by UPS and Photoemission with Synchrotron Radiation. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 884-890	3.4	50
41	Electron spectroscopy study of the CuSrTiO <sub>3</sub> (100) interface. <i>Surface Science</i> , <b>1996</b> , 359, 82-92	1.8	17
40	Photoemission study of the BiCuO interface. <i>Surface Science</i> , <b>1996</b> , 369, 177-184	1.8	1
39	Cage relaxation effects on the local density of states in a C <sub>60</sub> derivative. <i>Chemical Physics Letters</i> , <b>1996</b> , 257, 163-168	2.5	1
38	Surface molecular structure of self-assembled alkanethiols evidenced by UPS, synchrotron radiation and HREELS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1995</b> , 76, 523-528	1.7	8
37	Infrared optical constants of orthorhombic IV-VI lamellar semiconductors refined by a combined study using optical and electronic spectroscopies. <i>Physical Review B</i> , <b>1993</b> , 47, 16222-16228	3.3	25
36	Copper/oxide interface formation: a vibrational and electronic investigation by electron spectroscopies. <i>Surface Science</i> , <b>1992</b> , 265, 31-38	1.8	19
35	Vibrational properties of thin CaF <sub>2</sub> /Si(111) epitaxial layers studied by high resolution electron energy loss spectroscopy. <i>Surface Science</i> , <b>1992</b> , 269-270, 152-157	1.8	2
34	Surface vibrational investigation of CuO by high resolution electron-energy-loss spectroscopy. <i>Surface Science</i> , <b>1992</b> , 269-270, 1089-1095	1.8	3
33	Cross section effects in photoemission from CuBr. <i>European Physical Journal B</i> , <b>1991</b> , 85, 211-216	1.2	5
32	Electronic structure of antimony from density-functional calculations and angle-resolved photoemission. <i>Physical Review B</i> , <b>1991</b> , 44, 11023-11028	3.3	6
31	Photoemission study of the copper/poly(ethylene terephthalate) interface. <i>Physical Review B</i> , <b>1991</b> , 44, 10815-10825	3.3	39
30	Promotion of the Si(100)-O <sub>2</sub> reaction by Sm. <i>Physical Review B</i> , <b>1991</b> , 43, 4216-4223	3.3	11
29	Giant Cu 2p resonances in CuO valence-band photoemission. <i>Physical Review Letters</i> , <b>1991</b> , 67, 501-504	7.4	111
28	THE Sm/Si(100) interface studied by electron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1990</b> , 52, 67-78	1.7	10
27	Diffuse and abrupt interface formation studied by high resolution electron energy loss spectroscopy. <i>Superlattices and Microstructures</i> , <b>1990</b> , 7, 253-258	2.8	1
26	Core excitons and conduction-band structures in orthorhombic GeS, GeSe, SnS, and SnSe single crystals. <i>Physical Review B</i> , <b>1990</b> , 42, 3634-3643	3.3	63
25	Resonant photoemission study of the electronic structure of CuO and Cu <sub>2</sub> O. <i>Physical Review B</i> , <b>1990</b> , 42, 2268-2274	3.3	118

24	Electronic structure of Ag <sub>2</sub> O. <i>Physical Review B</i> , <b>1990</b> , 41, 3190-3199	3.3	299
23	Resonant photoemission in single-crystal black phosphorus. <i>Physical Review B</i> , <b>1989</b> , 39, 11160-11163	3.3	9
22	Character of Holes in Li <sub>x</sub> Ni <sub>1-x</sub> O and Their Magnetic Behavior. <i>Physical Review Letters</i> , <b>1989</b> , 62, 1214-1217	4.4	3
21	Incipient oxidation of magnesium: A high-resolution electron-energy-loss and photoemission study. <i>Physical Review B</i> , <b>1989</b> , 39, 3620-3631	3.3	47
20	Comparative study of the electronic structure of the ordered and disordered Cu <sub>3</sub> Au (100) and Cu <sub>3</sub> Au (110) surfaces. <i>European Physical Journal B</i> , <b>1989</b> , 75, 235-243	1.2	27
19	Oxygen 1s x-ray-absorption edges of transition-metal oxides. <i>Physical Review B</i> , <b>1989</b> , 40, 5715-5723	3.3	961
18	Character of holes in Li <sub>x</sub> Ni <sub>1-x</sub> O and their magnetic behavior. <i>Physical Review Letters</i> , <b>1989</b> , 62, 221-224	7.4	347
17	Electronic structure of Cu <sub>2</sub> O and CuO. <i>Physical Review B</i> , <b>1988</b> , 38, 11322-11330	3.3	1318
16	Mixed valence of Sm on metal single-crystal surfaces. <i>Physical Review B</i> , <b>1988</b> , 37, 4809-4812	3.3	39
15	X-ray absorption study of the O 2p hole concentration dependence on O stoichiometry in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> . <i>Physical Review B</i> , <b>1988</b> , 38, 6483-6489	3.3	172
14	Resonant Photoemission in UMn <sub>2</sub> . <i>Physica Scripta</i> , <b>1987</b> , 35, 877-879	2.6	5
13	InSb growth on Sb(111) single crystals studied by angle-resolved photoemission. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1987</b> , 5, 1057		5
12	Photoemission study of the Al-Sb(111) interface. <i>Physical Review B</i> , <b>1987</b> , 35, 7927-7935	3.3	16
11	Manganese-derived partial density of states in Cd <sub>1-x</sub> Mn <sub>x</sub> Te. <i>Physical Review B</i> , <b>1987</b> , 35, 2839-2843	3.3	104
10	Synchrotron radiation study of Cd <sub>1-x</sub> Mn <sub>x</sub> Te (0 < x < 1). <i>Physical Review B</i> , <b>1986</b> , 33, 1206-1212	3.3	120
9	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 &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1986</b> , 4, 900		12
8	Photoemission study (XPS, UPS) of PuFe <sub>2</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1985</b> , 35, 19-26	1.7	6
7	Photoemission study of UFe <sub>2</sub> and UPt <sub>3</sub> using synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1985</b> , 37, 163-169	1.7	9

6	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> , <b>1983</b> , 29, 193-198	1.7	10
5	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> , <b>1983</b> , 14, 193-198	1.8	
4	Low energy electron inelastic scattering at surfaces: Appplication to Mg(001) and (11 00). <i>Surface Science</i> , <b>1983</b> , 126, 177-182	1.8	4
3	Adsorption of oxygen on the magnesium (0001) surface studied by XPS. <i>Applications of Surface Science</i> , <b>1981</b> , 8, 397-411		46
2	Surface plasmon spectroscopy: Photoelectron spectra from adsorbates on aluminium. <i>Surface Science</i> , <b>1979</b> , 80, 488-502	1.8	20
1	XPS Study of CO Adsorption on Simple Metals. <i>Japanese Journal of Applied Physics</i> , <b>1978</b> , 17, 264	1.4	3