

**PROF. ROBERTINO ZANONI**

**ISI Refereed Papers with IF, Book Chapters, Patents, University Textbooks**

- 1. F.A. Devillanova, C. Furlani, G. Mattogno, G. Verani, R. Zanoni**  
"XPS characterization of the coordinative bond formed by imidazolidine-2-thione ligands"  
Gazzetta Chimica Italiana, 110, 19 (1980)  
IF: ??
- 2. M.V. Andreocci, F.A. Devillanova, C. Furlani, G. Mattogno, G. Verani, R. Zanoni**  
"Structural characterization of some substituted azolidine molecules: UPS photoelectron spectroscopy studies"  
Journal of Molecular Structure, 69, 151 (1980)  
**IF: 1.753**
- 3. M.V. Andreocci, M. Bossa, F.A. Devillanova, C. Furlani, G. Mattogno, G. Verani, R. Zanoni**  
"Structural characterization of some substituted azolidine molecules: XPS photoelectron spectroscopy results"  
Journal of Molecular Structure, 71, 227 (1981)  
**IF: 1.753**
- 4. M. Bossa, C. Furlani, G. Mattogno, R. Zanoni**  
"XPS binding energies and net atomic charges: CNDO, EHT and ab-initio correlations for substituted azolidines"  
Gazzetta Chimica Italiana, 111, 1 (1981)  
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- 5. M.V. Andreocci, C. Furlani, G. Mattogno, R. Zanoni, F.A. Devillanova, G. Verani**  
"An XPS investigation on some Selenium-containing ligands: azolidine derivatives"  
Inorganica Chimica Acta, 51, 99 (1981)  
**IF: 2.002**
- 6. C. Battistoni, G. Mattogno, L. Naldini, R. Zanoni**  
"Characterization of some gold clusters by X-ray photoelectron spectroscopy"  
Journal of Electron Spectroscopy and Related Phenomena, 28, 23 (1982)  
**IF: 1.661**
- 7. F.A. Devillanova, G. Mattogno, R. Zanoni, P. Giannoccaro, G. Vasapollo**  
"Ni(II) chromophores with the 2,6-bis(diphenylphosphinometil) pyridine ligand: XPS characterization of the electronic structure"  
Inorganica Chimica Acta, 63, 25 (1982)  
**IF: 2.002**
- 8. C. Cauletti, R. Zanoni, W. Seidel**  
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Zeitschrift für Anorganische und Allgemeine Chemie, 496, 143 (1983)

**IF: 1.144**

9. **G. Mattogno, R. Zanoni, D. Giusto, G. Russo, L. Sisti**

"XPS evidence for the formation of Ni(II) complexes on treated activated carbon"

Inorganica Chimica Acta, 104, 9 (1985)

**IF: 2.002**

10. **V. Di Castro, G. Polzonetti, R. Zanoni**

"Photoemission study of two model catalysts using synchrotron radiation"

Surface Science, 162, 348-353 (1985)

DOI: 10.1016/0039-6028(85)90919-7

**IF: 2.062**

11. **R. Zanoni, V. Carinci, H. Abu-Samn, R. Psaro, C. Dossi**

"Osmium carbonyl clusters: XPS characterization of some catalyst precursors"

Journal of Molecular Structure, 131, 363 (1985)

**IF: 1.753**

12. **M.N. Piancastelli, R. Zanoni, M.K. Kelly, D.G. Kilday, Y. Chang, J.T.**

**McKinley, G. Margaritondo, P. Perfetti, C. Quaresima, M. Capozzi**

"Thiophene on Si(111)2x1: synchrotron radiation study of a desulphurization process"

Solid State Communications, 63, 85 (1987)

DOI:10.1016/0038-1098(87)91171-9

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13. **C. Dossi, R. Psaro, R. Zanoni, F.S. Stone**

"Spectroscopic studies on silica-supported  $\text{Os}_3(\text{CO})_{12}$ "

Spectrochimica Acta, Part A, 43, 1507 (1987)

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14. **R. Zanoni, R. Psaro**

"In-situ XPS characterization of the species derived from supported Os carbonyls"

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15. **R. Zanoni, Y. Chang, M. Tang, Y. Hwu, M. Onellion, G. Margaritondo, P.A.**

**Morris, W.A. Bonner, J.M. Tarascon**

"Soft-X-ray photoemission study of the electronic structure of  $\text{Bi}_4\text{Ca}_3\text{Sr}_3\text{Cu}_4\text{O}_{16+x}$ "

Physical Review B 38, 11832 (1988)

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**IF: 3.836**

16. **C. Cauletti, L. Sestili, R. Zanoni**

"An XPS investigation of pentatomic heterocyclic ligands containing N, O and S and their Cu complexes"

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17. **M.N. Piancastelli, R. Zanoni, M.K. Kelly, D.G. Kilday, Y. Chang, J.T.**

**McKinley, G. Margaritondo, C. Quaresima, M. Capozzi, P. Perfetti**

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18. **C. Dossi, A. Fusi, E. Grilli, R. Psaro, R. Ugo, R. Zanoni**  
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19. **D.W. Niles, M. Tang, J.T. McKinley, R. Zanoni, G. Margaritondo**  
"Schottky-like correction terms in heterojunctions band lineups"  
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20. **R. Zanoni, T. Boschi, S. Licocchia, R. Paolesse, P. Tagliatesta**  
"An XPS study of Rh and Co derivatives of tetrapyrrole macrocycles"  
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21. **N.G. Stoffel, P.A. Morris, W.A. Bonner, Y. Chang, M. Tang, R. Zanoni, L. Döttl, Qi Biao Chen, R. Joynt, D.L. Huber, M. Onellion, G. Margaritondo**  
"Cleaved single crystals of high-Tc superconductors: electron spectroscopy and electron diffraction studies"  
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DOI:10.1016/0039-6028(89)90883-2  
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22. **Y. Chang, M. Tang, R. Zanoni, M. Onellion, R. Joynt, D.L. Huber, G. Margaritondo, P.A. Morris, W.A. Bonner, J.M. Tarascon, N.G. Stoffel**  
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"From heterojunctions to Schottky barriers"  
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24. **D.W. Niles, M. Tang, J. McKinley, R. Zanoni, G. Margaritondo**  
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26. **R. Zanoni, M.N. Piancastelli, J. McKinley, G. Margaritondo**  
"Synchrotron-radiation-induced metal deposition on semiconductors: Mo(CO)<sub>6</sub> on Si(111)2x1"  
Applied Physics Letters 55, 1020 (1989)  
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27. **Y. Chang, M. Tang, R. Zanoni, M. Onellion, R. Joynt, D.L. Huber, G. Margaritondo**  
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28. **M.N. Piancastelli, R. Zanoni, D.W. Niles, G. Margaritondo**  
"Ethylene and acetylene adsorption on cleaved Si: a photoemission study with synchrotron radiation"  
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29. **G. Carturan, S. Enzo, R. Ganzerla, M. Lenarda, R. Zanoni**  
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31. **C. Dossi, A. Fusi, E. Grilli, R. Psaro, R. Ugo, R. Zanoni**  
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Journal of Catalysis, 123, 181 (1990)  
**IF: 6.844**

32. **R. Thiel, M. Dirken, R. Zanoni**  
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Hyperfine Interactions, 56, 1729-1732 (1990)  
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33. **R. Zanoni, J. Puga**  
"Tetraosmium carbonyl clusters: an XPS study of valence and core levels"  
Journal of Molecular Structure, 240, 89 (1990)

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34. **M.N. Piancastelli, R. Zanoni, G. Margaritondo**

"Reactivity of amorphous silicon with respect to organic molecules: a synchrotron radiation photoemission study"

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**IF: 0.693**

35. **M.N. Piancastelli, R. Zanoni, J.T. McKinley, G. Margaritondo**

"Low-temperature pyridine adsorption on cleaved silicon: a synchrotron radiation photoemission study"

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36. **R. Zanoni, M. N. Piancastelli, M. Marsi, G. Margaritondo**

"Silicon metallization by synchrotron-radiation-induced  $W(CO)_6$  surface reaction"

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37. **R. Zanoni, R. Psaro, C. Dossi, L. Garlaschelli, R Della Pergola**

"XPS characterization of  $SiO_2$ -supported iridium produced *in situ* from  $Ir_4(CO)_{12}$ "

Journal of Cluster Science, 1, 241-247 (1990)

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**IF: 1.471**

38. **R. Zanoni, M. N. Piancastelli, M. Marsi, G. Margaritondo**

"Synchrotron-radiation-stimulated tungsten deposition on silicon from  $W(CO)_6$ "

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"Chemisorption and physisorption of simple alcohols on cleaved silicon"

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40. **R. Zanoni, M. N. Piancastelli, M. Marsi, G. Margaritondo**

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**43. G. Gusmano, G. Montesperelli, E. Traversa, R. Zanoni**

"Investigation into the relationship between the corrosion behaviour of CN 108 alloy in sea water and the chemical composition of its corrosion products"

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**44. R. Zanoni, G. Gusmano, E. Traversa**

"X-Ray Photoelectron-Spectroscopy Investigation of Corrosion Behavior Of ASTM C71640 Copper- Nickel Alloy In Seawater

Corrosion, 48, 404 (1992)

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**45. F. Bonomi, F. Cariati, G. Crisponi, F. Cristiani, A. Diaz, S. Pagani, A. Pozzi, R. Zanoni**

"Synthesis and characterization of metal derivatives of dihydrolipoic acid and dihydrolipoamide"

Inorganica Chimica Acta, 192, 237 (1992)

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**47. M. Lenarda, R. Ganzerla, L. Storaro, A. Trovarelli, R. Zanoni, J. Kaspar**

"Vapour phase hydroformylation of ethylene and propene catalyzed by a rhodium containing aluminum pillared smectite clay"

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"Surface organometallic chemistry: physisorption and thermal decomposition of Ir<sub>4</sub>(CO)<sub>12</sub> on silica"

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**49. M. Lenarda, R. Ganzerla, L. Storaro, R. Zanoni**

"Catalysis by the Rh/B system. Part 1. Vapour phase hydroformylation of ethylene at atmospheric pressure on Rh/B on silica"

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Journal of Catalysis, 145, 377 (1994)  
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55. **R. Zanoni, M. N. Piancastelli, M. Marsi, G. Margaritondo**  
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56. **M. N. Piancastelli, R. Zanoni, J. Bonnet, K. Hricovini**  
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"XPS analysis of sol-gel processed doped and undoped  $\text{TiO}_2$  films for sensors"  
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58. **M. Lenarda, R. Ganzerla, L. Storaro, S. Enzo, R. Zanoni**  
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**59. D. Cauzzi, G. Predieri, A. Tiripicchio, R. Zanoni, C. Giori**

"Formation of an anchored Copper(II) complex on a thiourea-functionalized silica gel by *in situ* modification of the tethered ligating function"

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**60. R. Psaro, C. Dossi, R. Della Pergola, L. Garlaschelli, S. Calmotti, S. Marengo, M. Bellatreccia, R. Zanoni**

"Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts"

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**61. D. Cauzzi, M. Lanfranchi, G. Marzolini, G. Predieri, A. Tiripicchio, M. Costa, R. Zanoni**

"Anchoring rhodium(I) on a benzoylthiourea-functionalized silica xerogel. Production of a recyclable hydroformylation catalyst and crystal structure of the model compound [Rh(cod)(Hbztu)Cl]"

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**62. R. Zanoni, G. Righini, A. Montenero, G. Gnappi, Bearzotti, G. Montesperelli, E. Traversa**

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Journal of the Chemical Society, Faraday Transactions 91, 2045 (1995)

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"Sulfur ligand stabilized palladium aggregates produced on the surface of benzoylthiourea-functionalized silica xerogels"

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**66. M. Carbone, R. Zanoni, M.N. Piancastelli, G. Comtet, G. Dujardin, L. Hellner, A. Mayne**

"Adsorption of ethylene on Si(111)7x7 by synchrotron radiation photoemission"

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67. **R. Zanoni, M.N. Piancastelli, M. De Santis, F. Sirotti, G. Rossi**  
"Synchrotron radiation-induced Fe deposition on Si from organometallic precursors: comparison with Fe silicides obtained by solid-phase epitaxy"  
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"From molecular copper-selenide clusters to bulk Cu<sub>2</sub>Se: evidence for hole-state localization obtained from XPS"  
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73. **M. Lenarda, R. Ganzerla, L. Storaro, R. Frattini, S. Enzo, R. Zanoni**  
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75. **C. Dossi, R. Psaro, L. Sordelli, M. Bellatreccia, R. Zanoni**

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76. **D. van der Putten, R. Zanoni, C. Coluzza and G. Schmid**  
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77. **M. Carbone, R. Zanoni, M.N. Piancastelli, G. Comtet, G. Dujardin, L.Hellner**  
"Synchrotron radiation photoemission and photostimulated desorption of deuterated methanol on Si(100)2x1 and Si(111)7x7"  
Surface Science, v. 352-354, 391-395 (1996)  
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78. **Loretta Storaro, Renzo Ganzerla, Maurizio Lenarda, Roberto Zanoni, Guido Righini**  
"Highly selective vapor phase propene hydroformylation catalyzed by Rh/B and Rh-Co/B systems on silica"  
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**L.Hellner**

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