

1. PUBLICATIONS

- /1/ "Highly coercive films in the system $\gamma\text{Fe}_2\text{O}_3 - \text{Fe}_3\text{O}_4$ "
M. LANGLET, M. LABEAU, J.C. JOUBERT
Journal de Physique Supp. n° 9, C6, t. 46, p. 41, (1985)
- /2/ "Dépôt de couches minces d'oxydes par pyrolyse d'un aérosol"
M. LABEAU, M. LANGLET, V. REBOUX, J.C. JOUBERT
Le vide les couches minces, n° 227, 315, (1985)
- /3/ "Preparation of thin films in the system $\gamma\text{Fe}_2\text{O}_3 - \text{Fe}_3\text{O}_4$ "
M. LANGLET, M. LABEAU, J.C. JOUBERT
IEEE Trans. Mag. Vol. MAG 22, n° 3, p. 151 (1986)
- /4/ " $\gamma\text{Fe}_2\text{O}_3$ films with uniaxial anisotropy"
M. LANGLET, M. LABEAU, J.C. JOUBERT
IEEE Trans. Mag. Vol. MAG 22, n° 5, p. 600, (1986)
- /5/ "CEMS and Faraday rotation study of $\gamma\text{Fe}_2\text{O}_3 - \text{Fe}_3\text{O}_4$ films"
J.A. CUSIDO, X. OBRADORS, J. FONTCUBERTA, A. ISALGUE, F. CANAL,
J. CORTADELLA, M. LANGLET, J.C. JOUBERT
IEEE Trans. Mag. Vol. MAG 23, n° 1, p. 74, (1987)
- /6/ "Influence of stress on the high coercive force of $\gamma\text{Fe}_2\text{O}_3$ thin films"
M. LANGLET, J.C. JOUBERT
IEEE Trans. Mag., vol. MAG 24 n°3, p. 1691, (1988).
- /7/ "Influence of stress on the high coercive force of $\gamma\text{Fe}_2\text{O}_3-\text{Fe}_3\text{O}_4$ solid solution thin films"
M. LANGLET, J.C. JOUBERT
J. Appl. Phys. 64(2), p. 780, (1988).
- /8/ "Deposition of high Tc superconducting films prepared by pyrolysis of an ultrasonic-generated aerosol"
M. LANGLET, E. SENET, J.L. DESCHANVRES, G. DELABOUGLISE, F. WEISS, J.C.

JOUBERT

Journal of the Less-Common Metals, 151, p. 399, (1989).

/9/ "New technique for the deposition of high Tc superconducting films"

M. LANGLET, E. SENET, J.L. DESCHANVRES, G. DELABOUGLISE, F. WEISS, J.C. JOUBERT

Journal de physique, tome 50, C5-141, (1989).

/10/ "High Tc superconducting films obtained by pyrolysis of an ultrasonically deposited gel"

M. LANGLET, E. SENET, J.L. DESCHANVRES, G. DELABOUGLISE, F. WEISS, J.C. JOUBERT

Thin Solid Films, 174, p. 263, (1989).

/11/ "Thin films of ceramic oxides by modified CVD"

J.L. DESCHANVRES, F. CELLIER, G. DELABOUGLISE, M. LABEAU, M. LANGLET, J.C. JOUBERT

Journal de physique, tome 50, C5-695, (1989).

/12/ "Garnet thin films deposited by a new chemical vapour deposition"

J.L. DESCHANVRES, M. LANGLET, J.C. JOUBERT

Thin Solid Films, 175, p. 281, (1989).

/13/ "A new route for the deposition of YBaCuO thin films"

M. LANGLET, E. SENET, J.L. DESCHANVRES, F. WEISS, J.C. JOUBERT, O. THOMAS, J.P. SENATEUR

Physica C 162, 137 (1989).

/14/ "Growth of garnet thin films for magneto-optic memories by pyrosol CVD process"

J.L. DESCHANVRES, M. LANGLET, J.C. JOUBERT

IEEE Trans. Mag. Vol. 26 n°1, p. 187 - 189 (1990).

/15/ "New spray pyrolysis deposition and magnetic properties of ferrite thin films for microwaves applications"

J.L. DECHANVRES, M. LANGLET, J.C. JOUBERT

JMMM 83 p. 437 - 438 (1990).

/16/ "Nd₂O₃ thin films deposited by a new chemical vapour deposition technique"

M. LANGLET, R.D. SHANNON
Thin Solids Films, 186, L1 (1990).

- /17/ "A.C. characterization of pyrosol and CVD made high Tc materials"
F. WEISS, E. SENET, M. LANGLET, O. THOMAS, A. PISCH, R. MADAR, J.C. JOUBERT, J.P. SENATEUR
J. of Less-Com. Met., 164-165, p.1393 (1990).
- /18/ "Growth of Bi substituted YIG thin films for magneto-optics applications"
J.L. DESCHANVRES, M. LANGLET, B. BOCHU, J.C. JOUBERT
JMMM, 101, p. 224 (1991)
- /19/ "Aluminium metaphosphate glass-ceramics"
M. LANGLET, M. SALTZBERG, R.D. SHANNON
J. of Mat. Science, 27, p. 972 (1992).
- /20/ "SiO₂ thin films deposited by a new sol-gel technique"
M. LANGLET, D. WALZ, P. MARAGE and J.C. JOUBERT
J. of non Cryst. Solids 147-148, p. 488 (1992).
- /21/ "Glass and ceramic thin films deposited by an ultrasonically assisted sol-gel technique"
M. LANGLET, D. WALZ, P. MARAGE and J.C. JOUBERT
Thin Solid Films 221, p. 44 (1992).
- /22/ "The Pyrosol process or the pyrolysis of an ultrasonically generated aerosol"
M. LANGLET and J.C. JOUBERT
Chemistry of Advanced Materials, IUPAC-Blackwell, Oxford, 1992, p. 55.
- /23/ "A New Route for the Deposition of SiO₂ Sol-Gel Coatings"
P. MARAGE, M. LANGLET, J.C. JOUBERT
Thin Solid Films, 238 (1994) 218.
- /24/ "Understanding and Improving the Deposition Conditions of SiO₂ Thin Films Obtained by Ultrasonic Sol-Gel Procedure"
P. MARAGE, M. LANGLET, J.C. JOUBERT
J. of Sol-Gel Science and Technology 2 (1994) 615.

- /25/ "Formation of TiN by Nitridation of TiO₂ Films Deposited by Ultrasonically Assisted Sol-Gel Technique"
C. JIMENEZ, M. LANGLET
Surface and Coatings Technology 68-69 (1994) 249.
- /26/ "Aerosol-Gel Deposition of Oxide Films in the System SiO₂-TiO₂"
M. LANGLET, P. MARAGE, J.C. JOUBERT
Adv. Sci. Technology 5 (1995) 267-274.
- /27/ "Influence of the Deposition Parameters on the Characteristics of Aerosol-gel Deposited Films"
M. LANGLET, C. VAUTEY
J. of Sol-Gel Science and Technology 8 (1997) 347-351.
- /28/ "Some Aspects of the Aerosol-gel Process"
M. LANGLET, C. VAUTEY, N. MAZEAS
Thin Solid Films 299 (1997) 25-32.
- /29/ "The effect of Thermal Annealing on Aerosol-gel Deposited Films : a FTIR Deconvolution Study"
N. PRIMEAU, C. VAUTEY, M. LANGLET
Thin Solid Films 310 (1997) 47-56.
- /30/ "Elaboration at 80°C of SiO₂ Layers Deposited by Aerosol-gel Process"
M. LANGLET, C. VAUTEY
J. of Sol-Gel Science and Technology 13, 743 (1998).
- /31/ "Doped TiO₂ coatings made by Aeosol-gel process"
R.I. VIITALA, M. BURGOS, C. COUTIER, M. LANGLET
J. Aerosol Sci vol. 29, suppl. 1, 899 (1998).
- /32/ "Aerosol-gel Deposition and Low Temperature Post-Treatment of SiO₂ Layers"
C. VAUTEY, M. BURGOS, M. LANGLET
Thin Solid Films 347, 184 (1999).
- /33/ "The sol-gel transformation of TIPT : a FTIR study"
M. BURGOS, M. LANGLET
Thin Solid Films 341 (1-2) (1999) 19.

- /34/ "Electric-field controlled memory effect in heterostructures for gas sensors"
R.B. VASILIEV, M.N. RUMYANTSEVA, L.I. RYABOVA, B.A. AKIMOV, A.M.
GASKOV, M. LABEAU, M. LANGLET
Technical Physics Letters 25, 22 (1999).
- /35/ " Condensation and densification mechanisms of TiO₂ layers at low temperature"
M. BURGOS, M. LANGLET
Journal of Sol-Gel Science and Technology 16 (1999) 267.
- /36/ "Aerosol-gel deposition of doped titania thin films "
R. VIITALA, M. LANGLET, J. SIMOLA, M. LINDEN, J.B. ROSENHOLM
Thin Solid Films 368 (2000) 35.
- /37/ "Aerosol-gel preparation of optically active layers in the system Er : SiO₂-TiO₂"
C. COUTIER, M. AUDIER, J. FICK, R. RIMET, M. LANGLET
Thin Solid Films 372 (1-2) (2000) 177.
- /38/ "Memory effect and its switching by electric field in solid-state gas sensors"
VASILIEV, R.B., RUMYANTSEVA, M.N., RYABOVA, L.I., AKIMOV, B.A.,
LABEAU, M., LANGLET, M., GASKOV, A.M.
J. Mater. Sci. Eng. B77 (2000) 106.
- /39/ "Sol-gel thin film deposition and characterization of a new optically active compound :
Er₂Ti₂O₇"
M. LANGLET, C. COUTIER, J. FICK, M. AUDIER, W. MEFFRE, B. JACQUIER, R.
RIMET
Optical Materials 16 (2001) 463.
- /40/ "In vitro bioactivity of aerosol-gel deposited TiO₂ thin coatings"
R. VIITALA, J. SIMOLA, T. PELTOLA, H. RAHALA, M. LANGLET, J.B.
ROSENHOLM
Journal of Biomedical Materials Research 54 (2001) 109.
- /41/ "Propiedades mecánicas de recubrimientos biocompatibles de óxido de titanio producidos
en un reactor aerosol-gel"
M.MANSO, M. LANGET, J. MARTINEZ-DUART
Rev. Metal. Madrid 37 (2001) 260

- /42/ "Preparation of sol-gel TiO₂ thin films at low temperature for AR coating applications"
M. LANGLET, M. BURGOS, C. COUTIER, C. JIMENEZ, C. MORANT, M. MANSO
Journal of Sol-Gel Science and Technology 22 (2001) 139.
- /43/ "Hydroxyapatite coatings obtained by the thermal activation of polymeric sols"
M. MANSO, M. LANGLET, C. JIMENEZ, J.M. MARINEZ-DUART
Int. J. Inorg. Mater. 3 (2001) 1153.
- /44/ "The effect of phosphorus on the crystallisation and photoluminescence behaviour of
Aerosol-gel deposited SiO₂-TiO₂-Er₂O₃-P₂O₅ thin films"
C. COUTIER, W. MEFFRE, P. JENOUVRIER, J. FICK, M. AUDIER, R. RIMET, B.
JACQUIER, M. LANGLET
Thin Solid Films 392 (2001) 40.
- /45/ "Photoluminescence of terbium organic complex in Aerosol-gel derived planar
waveguides"
P. JENOUVRIER, E. CELA, C. COUTIER, M. LANGLET, R. RIMET, J. FICK
Applied Physics B 73 (2001) 463.
- /46/ "Optically active coatings deposited from an ultrasonically generated aerosol"
M. LANGLET
Thin Solid Films 398-9 (2001) 71.
- /47/ "Mechanical and in-vitro testing of Aerosol-gel titania coatings for biocompatible
applications"
M. MANSO, S. OGUETA, P. GARCIA, J. PEREZ-RIGUEIRO, C. JIMENEZ, J.M.
MARTINEZ-DUART, M. LANGLET
Biomaterials 23(2) (2002) 349.
- /48/ "Microstructural and spectroscopic study of sol-gel derived Nd-doped silica glasses"
M. LANGLET, C. COUTIER, W. MEFFRE, M. AUDIER, J. FICK, R. RIMET, B.
JACQUIER
J. Luminescence 96 (2-4) (2002) 295.
- /49/ "Biological evaluation of aerosol-gel derived hydroxyapatite coatings with human
mesenchymal stem cells"
M. MANSO, S. OGUETA, P. HERRERO, L. VAZQUEZ, M. LANGLET, P. GARCIA

Biomaterials 23 (2002) 3985.

- /50/ "Calcium phosphate coatings prepared by aerosol-gel"
M. MANSO, M. LANGLET, C. JIMENEZ, J.M. MARTINEZ-DUART
J. Eur Cer Soc., 23 (2002) 243.
- /51/ "Sol-gel preparation of photocatalytic TiO₂ films on polymer substrates"
M. LANGLET, A. KIM, M. AUDIER, J.M. HERRMANN
J. Sol-Gel Sci. Tech. 25 (2002) 223.
- /52/ "Aerosol-gel derived microcrystalline hydroxyapatite coatings"
M. MANSO, M. LANGLET, C. JIMENEZ, P. HERRERO, E. MILLON, J.M. MARTINEZ-DUART
J. Mater. Res. 17 (6) (2002) 1482.
- /53/ "Microstructural study of aerosol-gel derived hydroxyapatite coatings"
M. MANSO, M. LANGLET, C. JIMENEZ, J.M. MARTINEZ-DUART
Biomolecular Engineering 19 (2002) 63.
- /54/ "Textured hydroxyapatite interface onto biomedical Ti based coatings"
MIGUEL MANSO, P. HERRERO, M. FERNANDEZ, M. LANGLET, J.M. MARTINEZ-DUART
J. Biomed. Mater. Res. 64A(4) (2003) 600.
- /55/ "Liquid phase processing and thin film deposition of titania nanocrystallites for photocatalytic applications on thermally sensitive substrates"
M. LANGLET, A. KIM, M. AUDIER, C. GUILLARD, J.M. HERRMANN
J. Mater. Sci., 38 (2003) 3945.
- /56/ "Functionality of Aerosol-gel deposited TiO₂ thin films processed at low temperature"
M. LANGLET, P. JENOUVRIER, A. KIM, M. MANSO, M. TREJO-VALDEZ
J. Sol-Gel Sci. Tech. 26 (2003) 759.
- /57/ "Aerosol-gel deposition of optically active thin films in the system Er₂Ti₂O₇-Y₂Ti₂O₇"
M. LANGLET, P. JENOUVRIER, J. FICK, R. RIMET
J. Sol-Gel Sci. Tech. 26 (2003) 985.

- /58/ "Testing sol-gel CaTiO₃ coatings for biocompatible applications"
M. MANSO, M. LANGLET, J.M. MARTINEZ
Materials Science and Engineering C 23(3) (2003) 447.
- /59/ "Surface and interface analysis of hydroxyapatite / TiO₂ biocompatible structures"
M. MANSO, M. LANGLET, M. FERNÁNDEZ, L. VÁZQUEZ, J.M. MARTINEZ
Materials Science and Engineering C 23(3) (2003) 451.
- /60/ "Transparent photocatalytic films deposited on polymer substrates from sol-gel processed titania sols"
M. LANGLET, A. KIM, M. AUDIER, C. GUILLARD, J. HERRMANN
Thin Solid Films 429 (2003) 13.
- /61/ "Influence of crystallisation on the photoluminescence properties of YETO sol-gel thin films"
P. JENOUVRIER, M. LANGLET, R. RIMET, J. FICK
Appl. Phys. A 77 (2003) 687.
- /62/ "Aerosol-gel deposition of photocurable ORMOSIL films doped with terbium complex"
M. TREJO-VALDEZ, P. JENOUVRIER, J. FICK, E. PAILLARD, M. LANGLET
Opt. Mater. 25(2) (2004) 179.
- /63/ "Aerosol-gel deposition and spectroscopic characterization of pyrochlore films heavily doped with erbium ions"
M. LANGLET, P. JENOUVRIER, R. RIMET, J. FICK
Opt. Mater. 25(2) (2004) 141.
- /64/ "Characterization of optically active and photocurable ORMOSIL thin films deposited using the Aerosol process"
M. TREJO-VALDEZ, P. JENOUVRIER, J. FICK, M. LANGLET
J. Mater. Sci. 39 (2004) 2801.
- /65/ "Microstructure and photoluminescence properties of sol-gel Y_{2-x}Er_xTi₂O₇ thin films"
P. JENOUVRIER, J. FICK, M. AUDIER, M. LANGLET
Opt. Mater. 27(2) (2004) 131-7.
- /66/ "Luminescence properties of ORMSIL films doped with terbium complexes"
M. TREJO-VALDEZ, P. JENOUVRIER, M. LANGLET

J. Non-Cryst. Sol. 345-6 (2004) 628-33.

- /67/ "Photoinduced processes in Aerosol-gel deposited ormosil films"
M. LANGLET, M. TREJO-VALDEZ, O. SOPPERA, C. CROUTXE-BARGHORN
Thin Solid Films 472 (2005) 253-60.
- /68/ "Up-conversion emission in rare earth-doped $\text{Y}_2\text{Ti}_2\text{O}_7$ sol-gel thin films"
P. JENOUVRIER, G. BOCCARDI, J. FICK, A.-M. JURDYC, M. LANGLET
J. Luminescence 113 (2005) 291-300.
- /69/ "Photo-induced hydrophilicity of TiO_2 films deposited on stainless steel via sol-gel technique"
S. PERMPOON, M. FALLET, G. BERTHOME, B. BAROUX, J.C. JOUD, M.
LANGLET
J. Sol-gel Sci. Tech. 35 (2005) 127-136.
- /70/ "Influence of physico-structural properties on the photocatalytic activity of sol-gel derived TiO_2 thin film"
M. FALLET, S. PERMPOON, J.L. DESCHANVRES, M. LANGLET
J. Mater. Sci. 41(10) (2006) 2915.
- /71/ "Photocatalytic activity and photo-induced superhydrophilicity of sol-gel derived TiO_2 films"
M. LANGLET, S. PERMPOON, D. RIASSETTO, G. BERTHOMÉ, E. PERNOT, J.C.
JOUD
J. Photochem. Photobiol. A : Chemistry 181(2-3) (2006) 203.
- /72/ "Natural superhydrophilicity of sol-gel derived SiO_2 - TiO_2 composite films"
S. PERMPOON, G. BERTHOME, B. BAROUX, J.C. JOUD, M. LANGLET
J. Mater. Sci. 41(22) (2006) 7650.
- /73/ "Preparation of interfaces for TEM cross section observation"
M. MANSO, M. LANGLET, J.M. MARTINEZ DUART, P. HERRERO,
Nucl. Instrum. and Methods in Phys. Res. B 257 (2007) 623.
- /74/ "The photocatalytic activity of sol-gel derived photo-platinized TiO_2 films"
C. MILLON, D. RIASSETTO, G. BERTHOME, F. ROUSSEL, M. LANGLET
J. Photochem. Photobiol. A : Chemistry 189 (2007) 334.

- /75/ "Morphology and natural wettability properties of sol-gel derived TiO₂-SiO₂ composite thin films"
M. HOUMARD, D. RIASSETTO, F. ROUSSEL, A. BOURGEOIS, G. BERTHOMÉ, JC. JOUD, M. LANGLET
Appl. Surf. Sci. 254 (2007) 1405.
- /76/ "Study of Al₂O₃/TiO₂ reflectivity enhancing composite films on bright aluminium substrates"
L. CECCHETTO, C. MILLON, D. RIASSETTO, M. LANGLET
Appl. Surf. Sci. 254 (2008) 1604.
- /77/ "Natural and persistent superhydrophilicity of SiO₂/TiO₂ and TiO₂/SiO₂ bi-layer films"
S. PERMPOON, M. HOUMARD, D. RIASSETTO, L. RAPENNE, G. BERTHOMÉ, B. BAROUX, J.C. JOUD, M. LANGLET
Thin Solid Films 516 (2008) 957.
- /78/ "Sol-Gel processing and UVA patterning of epoxy-based hybrid organic-inorganic thin films"
S. BRICHE, D. RIASSETTO, C. GASTALDIN, C. LAMARLE, O. DELLEA, D. JAMON, E. PERNOT, M. LABEAU, G. RAVEL, M. LANGLET
J. Mater. Sci. 43 (2008) 5809.
- /79/ "Enhanced persistence of natural super-hydrophilicity in TiO₂-SiO₂ composite thin films deposited via a sol-gel route"
M. HOUMARD, D. RIASSETTO, F. ROUSSEL, A. BOURGEOIS, G. BERTHOME, JC JOUD, M. LANGLET
Surface Science 602 (2008) 3364.
- /80/ "Mechanisms involved in the platinization of sol-gel derived TiO₂ photocatalytic thin films"
D. RIASSETTO, C. HOLTZINGER, M. MESSAOUD, S. BRICHE, G. BERTHOMÉ, F. ROUSSEL, L. RAPENNE, M. LANGLET
J. Photochem. Photobiol. A : Chemistry, 202 (2009) 214.
- /81/ "Influence of platinum nano-particles on the photocatalytic activity of sol-gel derived TiO₂ films"
D. RIASSETTO, C. HOLTZINGER, M. LANGLET

J. Mater. Sci., 44 (2009) 2637.

- /82/ "Water and oil wettability of hybrid organic-inorganic titanate-silicate thin films deposited via a sol-gel route"
M. HOUMARD, D.C.L.VASCONCELOS, W.L.VASCONCELOS, G.BERTHOMÉ,
J.C.JOUD, M.LANGLET
Surface Science, 603 (2009) 2698.
- /83/ "Synthesis and functionalities of noble metal nano-particles formed through simplified photo-chemical procedures"
D. RIASSETTO, F. ROUSSEL, L. RAPENNE, H. ROUSSEL, O. CHAIX, F. MICOUD,
M. CHATENET, M. LANGLET
J. Exp. Nanosci., 5(3) (2010) 221.
- /84/ "Hydrophobic functionalization of cotton-based textile fabrics through a non-fluorinated sol-gel route"
M. MESSAOUD, M. HOUMARD, S. BRICHE, F. ROUSSEL, M. LANGLET
J Sol-gel Sci Technol, 55(2) (2010) 243.
- /85/ "Photocatalytic generation of silver nanoparticles and application to the antibacterial functionalization of textile fabrics"
M. MESSAOUD, E. CHADEAU, C. BRUNON, T. BALLET, L. RAPPENNE, F.
ROUSSEL, D. LEONARD, N. OULAHAL, M. LANGLET
J. Photochem. Photobiol. A : Chemistry, 215 (2010) 147.
- /86/ "New insights in photo-patterned sol-gel derived TiO₂ films"
S. BRICHE, Z. TEBBY, D. RIASSETTO, M. MESSAOUD, E. GAMET, E. PERNOT, H.
ROUSSEL, O. DELLEA, Y. JOURLIN, M. LANGLET
J. Mater. Sci., 46 (2011) 1474.
- /87/ "Enhanced Cleanability of Super-hydrophilic TiO₂-SiO₂ Composite Surfaces Prepared via a Sol-Gel Route"
M. HOUMARD, G. BERTHOMÉ, JC. JOUD, M. LANGLET
Surf Sci, 605 (2011) 456.
- /88/ "Elaboration of an Ag°/TiO₂ platform for DNA detection by Surface Enhanced Raman Spectroscopy"
M. LANGLET, I. SOW, S. BRICHE, M. MESSAOUD, O. CHAIX-PLUCHERY, F.
DHERBEY-ROUSEL, P. CHAUDOUET, V. STAMBOULI

Surf Sci, 605 (2011) 2067.

- /89/ "Influence of the sol composition on the natural superhydrophilicity of sol-gel derived TiO₂-SiO₂ nanocomposite thin films"
C. HOLTZINGER, L. RAPENNE, P. CHAUDOUËT, G. BERTHOME, J.C. JOUD, M. LANGLET
Emerging Materials Research, 1(3) (2012) 127.
- /90/ "New industrial and innovative writing machine for the fabrication of sol-gel TiO₂ based sub-micrometric period diffraction gratings"
V. Gâté, G. Bernaud, C. Veillas, A. Cazier, Y. Jourlin, M. Langlet, F. Vocanson, P. Coudray
SPIE Proc., Vol. 8428 (2012) 8428B-1.
- /91/ "New low-cost high-efficiency solar module: diffracting deflector module"
V. Gâté, Y. Jourlin, M. Langlet, F. Vocanson, O. Parriaux, G. Bernaud, C. Veillas, A. Cazier
SPIE Proc., Vol. 8438 (2012) 84380W.
- /92/ "Thickness effects in naturally superhydrophilic TiO₂-SiO₂ nanocomposite films deposited via a multilayer sol-gel route"
C. Holtzinger, L. Rapenne, P. Chaudouët, G. Berthomé, M. Langlet
J Sol-gel Sci Technol, 64(2) (2012) 465.
- /93/ "Morphology-wettability relations in artificially structured superhydrophilic TiO₂-SiO₂ composite films"
C. Holtzinger, B. Niparte, G. Berthomé, D. Riassetto, M. Langlet
J Mater Sci, 48(8) (2013) 3107.
- /94/ "Fast dynamic interferometric lithography for large sub-micrometric period diffraction gratings production"
V. Gâté, G. Bernaud, C. Veillas, A. Cazier, F. Vocanson, Y. Jourlin, M. Langlet
Opt Eng, 52(9) (2013) 091712.
- /95/ "Superhydrophobic TiO₂ coatings formed through a non-fluorinated wet chemistry route"
C. Holtzinger, B. Niparte, S. Wächter, G. Berthomé, D. Riassetto, M. Langlet
Surf Sci, 617 (2013) 141.

- /96/ "Sub-micrometric patterns written using a DIL method coupled to a TiO₂ photo-resist"
V. Gâté, Y. Jourlin, F. Vocanson, O. Dellea, G. Vercasson, S. Reynaud, D. Riassetto, M. Langlet
Opt Mater, 35 (2013) 1706.
- /97/ "High aspect ratio semiconducting nanostructure random networks: highly versatile materials for multiple applications"
Céline Ternon, Pauline Serre, Germain Rey, Claire Holtzinger, Priyanka Periwal, Mickaël Martin, Thierry Baron, Valérie Stambouli and Michel Langlet
Phys Status Solidi RRL, 7(10) (2013) 919.
- /98/ "Quaternary ammonium-based composite particles for antibacterial finishing of cotton-based textiles"
M. Messaoud, E. Chadeau, P. Chaudouët, N. Oulahal, M. Langlet
J Mater Sci Technol, 30(1) (2014) 19.
- /99/ "Correlation between sol-gel reactivity and wettability of silica films deposited on stainless steel"
M. Hounard, E.H.M. Nunes, D.C.L. Vasconcelos, G. Berthomé, J.C. Joud, M. Langlet, W.L. Vasconcelos
Appl Surf Sci, 289 (2014) 218.
- /100/ "Controlled growth of silver nanoparticles through a chemically assisted photocatalytic reduction process for SERS substrate applications"
L. He, D. Riassetto, P. Bouvier, L. Rapenne, O. Chaix-Pluchery, V. Stambouli, M. Langlet
J Photochem Photobiol A: Chem, 277 (2014) 1.
- /101/ "New insights in SERS label free detection of DNA on Ag°/TiO₂ substrate"
L. He, M. Langlet, P. Bouvier, C. Calers, C. M. Pradier, V. Stambouli
J Phys Chem C, 118 (2014) 25658.
- /102/ "On the role of the NH₂ external linker on the SERS intensities of DNA homo-oligonucleotide single strand SERS spectra"
L. He, M. Langlet, V. Stambouli
Sensors & Actuators: B. Chemical, submitted (2014).

2. CHAPTERS IN BOOKS

"The Pyrosol process or the pyrolysis of an ultrasonically generated aerosol"

M. LANGLET and J.C. JOUBERT

In Chemistry of Advanced Materials, IUPAC-Blackwell, Oxford, 1992, pp 55-79.

"Progress in rare earth-doped sol-gel thin films for integrated optics applications"

P. JENOUVRIER, M. LANGLET, J. FICK

In S.G. Pandali (Ed.), Recent Research Developments in Non-crystalline Solids, vol.3, Transworld Research Network Publishers, Trivandrum, Kerala, India, 2003, pp 135-158.

"The Aerosol-gel Process"

M. LANGLET

In M.A. Aegerter and M. Mennig (Ed.), Sol-gel technologies for glass producers and users, Kluwer Academic Publishers, 2004.

"Ultrasonic pulverization of an aerosol : A versatile tool for the deposition of sol-gel thin films"

M. LANGLET

In S. Sakka (Ed.), Sol-Gel Technology Vol. 1, "Sol-Gel Processing ", Kluwer Academic Publishers, Boston, 2005, pp 289-307.

"Low temperature processing of sol-gel thin films in the SiO₂-TiO₂ binary system"

M. LANGLET

In S. Sakka (Ed.), Sol-Gel Technology Vol. 1, "Sol-Gel Processing ", Kluwer Academic Publishers, Boston, 2005, pp 331-360.

3. PATENTS

"Sol-gel deposition process for thin layers by ultrasonic spraying"

M. LANGLET, J.C. JOUBERT

FR 2669246 (1990), US 0486393 (1991), EP 0486393 (1992), JP4290578 (1992)

"Chemical process for preparing a solution suitable for deposition of photocatalytic coatings"

C. VAUTEY, M. LANGLET, A. KIM
FR 2828188 (2001), EP 1281672 (2003)

"Photocatalytic active coatings obtained at low temperature"

M. LANGLET, C. VAUTEY, A. KIM
FR 2832999 (2001), EP1316532 (2003)

"Process to produce solutions to be used as coating in photo-catalytic and transparent films"

M. LANGLET, C. VAUTEY, A. KIM
EP 1546041 (2005), WO 2004028973 (2004), AU 2003260901(2003), CN 1684910 (2005),
US 20060008412 (2006), DE 60314650T (2008)

"Stainless steel sheet coated with a self-cleaning coating"

J.M. DAMASSE, J. CHARLES, M. LANGLET, S. PERMPOON, J.C. JOUD, B.
BAROUX
PCT/FR 0700070 (2007), EP 06290367.9 (2006), WO 07099208 (2007)