

Publications de Ange POLIDORI – Liste des publications depuis 1993

• *Articles dans des revues internationales à comité de lecture :*

1. B. Pucci, A. Polidori, N. Rakotomanomana, M. Chorro, A.A. Pavia. 'Synthèse de glycolipides polymérisables dérivés du Tris (hydroxyméthyl) aminométhane : préparation de micelles polymérisées "

Tetrahedron Lett., 34, 4185-4188 (1993).

2. A. Polidori, B. Pucci, J.G. Riess, L. Zarif, A.A. Pavia. 'Synthesis of double-chain glycolipids derived from aspartic acid : preliminary investigation of their colloidal behavior "

Tetrahedron Lett., 35, 2899-2902 (1994).

3. A. Polidori, B. Pucci, J.C. Maurizis, A.A. Pavia. 'Synthesis of nonionic glycosidic surfactants derived from Tris(hydroxymethyl) aminomethane: preliminary assesment "

New J. Chem., 18, 839-848 (1994).

4. A. Polidori, B. Pucci, J.P. Roque, A. Leydet and A.A. Pavia. 'Téломères et cotéломères d'intérêt biologique et biomédical, synthèse, évaluations physico-chimiques et biologiques de téломères amphiphiles de type acryloylamino-acides "

Macromol. Chem. Phys., 196, 3707-3721 (1995).

5. A. Polidori, B. Pucci, L. Zarif, J.M. Lacombe, J.G. Riess, A.A. Pavia. 'Vesicles and other supramolecular systems made from double-tailed synthetic glycolipids derived from galactosylated tris(hydroxymethyl)aminomethane "

Chem. Phys. Lipids, 77, 225-251 (1995).

6. A. Polidori, B. Pucci, L. Zarif, J.G. Riess and A.A. Pavia. 'Effect of polymerization of synthetic glycolipids on their supramolecular assemblies "

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8. A. Polidori, O. Braun, N. Mora and B. Pucci. 'Synthesis of polymerizable double-chain glycolipids derived from Tris. Polymerization in aqueous media. Preliminary investigation of their colloidal behavior "

Tetrahedron Lett., 38, 2475-2478 (1997).

9. J. Coulon, R. Bonaly, B. Pucci, A. Polidori, Ph. Barthélémy, C. Contino. 'Cell targeting by glycosidic telomers. Specific recognition of K_bCWL1 lectin by galactosylated telomers "

Bioconjugate Chem., 9, 152-159 (1998).

10. O. Ouari, A. Polidori, F. Chalier, P. Tordo, B. Pucci. 'Synthesis of a glycolipidic amphiphile nitrene as a new spin trap for biological application "

J. Org. Chem., 64, 3554-3556 (1999).

11. C. Prata, N. Mora, A. Polidori, J.M. Lacombe, B. Pucci. 'Synthesis and molecular aggregation of new sugar bola-amphiphiles "
Carbohydrate Res., 321, 15-23 (1999).
12. M. Neuburger, A. Polidori, M. Faure, E. Pietre, J. Bourguignon, R. Douce and B. Pucci. 'Interaction between the lipoamide-containing H-Protein and the lipoamide deshydrogenase (L-protein) of the glycine decarboxylase multienzyme system "
Eur. J. Biochem., 267, 2882-2889 (2000).
13. J. Coulon, F. Thiebault, C. Contino, A. Polidori, R. Bonaly and B. Pucci. 'Permeability of yeast cell envelope to fluorescent galactosylated telomers derived from THAM "
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14. M. Wathier, A. Polidori,* K. Ruiz, A.S. Fabiano, B. Pucci.* 'Synthèse et étude du comportement en milieu aqueux de tensioactifs géminis glycosylés "
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15. V. Geromel, N. Kadhom, I. Cebalos-Picot, O. Ouari, A. Polidori, A. Munnich, A. Rötig and P. Rustin. 'Superoxide-induced massive apoptosis in cultured skin fibroblasts harboring the neurogenic ataxia retinitis pigmentosa (NARP) mutation in the ATPase-6 gene of the mitochondrial DNA "
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16. M. Wathier, A. Polidori,* K. Ruiz, A.S. Fabiano and B. Pucci.* 'Stabilization of polymerized vesicular systems : an application of the dynamic molecular shape concept "
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17. G. Durand, A. Polidori,* J.P. Salles, B. Pucci.* 'Synthesis of a new family of glycolipidic nitron as potential antioxydant drug for neurodegenerative disorders "
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18. G. Durand, A. Polidori,* O. Ouari, P. Tordo, V. Geromel, P. Rustin, B. Pucci.* 'Synthesis and preliminary biological evaluations of ionic and non-ionic amphiphilic alpha-phenyl-*N-tert*-butylnitron derivatives "
J. Med. Chem., 46, 5230-5237 (2003).
19. G. Durand, A. Polidori,* J.P. Salles, M. Prost, P. Durand and B. Pucci.* 'Synthesis and antioxidant efficiency of a new amphiphilic spin-trap derived from PBN and lipoic acid "
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20. S. Morandat, G. Durand, A. Polidori, L. Desigaux, M. Bortolato, B. Roux, B. Pucci 'PBN derived amphiphilic spin-traps. I/ Synthesis and study of their miscibility with polyunsaturated phospholipids "
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21. C. Grandjean, V. Santraine, N. Fardel, A. Polidori, B. Pucci, H. Gras-Masse, D. Bonnet 'Efficient preparation of carbohydrate- and related polyol-amphiphiles by hydrazone ligation "
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22. H. Brochu, A. Polidori, B. Pucci, P. Vermette "Drug delivery systems using intact immobilized liposomes : a comparative and critical review "
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23. A. Polidori, N. Michel, A.S. Fabiano, B. Pucci "Exotic aqueous behaviour of synthetic lipids : formation of vesicular nanotubes "
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24. B. Poeggeler, G. Durand, A. Polidori, M.A. Pappola, I. Vega-Naredo, A. Coto-Montes, J. Böker, R. Hardeland, B. Pucci "Mitochondrial medicine : neuroprotection and life extension by the new amphiphilic nitrone LPBNAH acting as a highly potent advanced antioxydant agent "
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25. N. Michel, A.S. Fabiano, A. Polidori, R. Jack, B. Pucci "Determination of phase transition temperatures of lipids by light scattering "
Chem. Phys. Lipids, 139, 11-19 (2005).
26. F Otis, N. Voyer, A. Polidori, B. Pucci. "End group engineering of artificial ion channels"
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27. S. Denoyelle, A. Polidori, P.Y. Vuillaume, M. Brunelle, S. Laurent, Y. El Azhary, B. Pucci "Synthesis of hemifluorinated bifunctional bolaamphiphiles for gene delivery "
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29. A. Polidori, M. Wathier, A.-S. Fabiano, B. Olivier, B. Pucci. "Synthesis and aggregation behaviour of symmetric glycosylated bolaamphiphiles in water".
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31. A. Polidori, M. Passet, F. Lebaupain, J.L. Popot, C. Breyton, B. Pucci "Fluorinated and hemifluorinated surfactants derived from maltose: synthesis and application to handling membrane proteins in aqueous solution"
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32. V. Petkova, J.-J. Benattar, M. Zoonens, J.-L. Popot, A. Polidori, S. Jasseron and B. Pucci "Thin free standing films as a matrix for a regular arrangement of membrane proteins" *Langmuir*, 23, 4303-4309 (2007).

33. M. Damian, S. Perino, A. Polidori, L. Serre, B. Pucci and J.-L. Banères "Stabilization in Solution of a Human GPCR by New Tensio-active Molecules"
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36. G. Durand, B. Poeggeler, S. Ortial, A. Polidori, J. Boker, R. Hardeland, B. Pucci "Amphiphilic nitron amides: A new class of protective agents acting as mitochondrial metabolism modifier"
- Free Rad. Bio. Med.* (2007) 43, S91-S92
37. J. Dauvergne, A. Polidori, C. Vénien-Bryan, B. Pucci "Synthesis of a hemifluorinated amphiphile designed for self-assembly and 2D-crystallization of membrane protein on a detergent-resistant lipid monolayer"
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38. G. Andreatta, R. Petkova, J.-J. Benattar, J. Y. J. Wang, P. Tong, A. Polidori, B. Pucci "Deposition of self-assembled molecular surfactant films on solid substrates"
- Colloids and Surfaces A, Physicochemical and Engineering Aspects*, 32, 211-217 (2008)
39. G. Andreatta, Y. J. Wang, F.K. Lee, A. Polidori, B. Pucci and J.-J. Benattar "Molecular transfer of surfactants bilayers : widening the range of substrates"
- Langmuir*, 24, 6072-6078 (2008)
40. O. Joubert, R. Nehme, D. Fleury, M. De Rivoyre, M. Bidet, M. Ruat, A. Polidori, B. Pucci, P. Mollat, I. Mus-Veteau "The human receptor Patched expressed in yeast interacts with its ligand Sonic Hedgehog both in membrane preparations and after purification"
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- Biochimica et Biophysica Acta* 1798, 1100-1110 (2010)

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48. L.-A. Barret, A. Polidori, F. Bonnete, P. Bernard-savary³, C. Jungas. “New developments of HPTLC for the assay of detergents used for membrane proteins elucidation, crystallization, characterization; and related studies.”

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- *Articles dans revue nationale à comité de lecture :*

60. G. Durand, A. Polidori, B. Pucci "Vectorisation et stratégie antioxydante "

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- *Chapitre de livre :*

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- *Brevets, licences, logiciels :*

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