

## PRODUCTION SCIENTIFIQUE

### Publications internationales

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2019

2018

2017

2016

### 2019

(83) Characterization of a multidrug-resistant *Klebsiella pneumoniae* ST607-K25 clone responsible for a nosocomial outbreak in a neonatal intensive care unit

F. Peltier, M. Choquet, V. Decroix, C.C. Adjidé, S. Castelain, R. Guihéneuf, E. Pluquet

JMM 2019, 68(1), 67-76; doi: 10.1099/jmm.0.000884.

(84) BK polyomavirus in the urine for follow-up of kidney transplant recipients

E. Brochot, V. Descamps, L. Handala, J. Faucher, G. Choukroun, F. Helle, S. Castelain, C. François, G. Duverlie, A. Touzé

Clin. Microbiol. Infect. 2019, 25, 112.e1-112.e5; doi.org/10.1016/j.cmi.2018.07.027.

(85) TLR3 and TLR4 SNP variants in the liver disease resulting from hepatitis B virus and hepatitis C virus infection

I. Sghaier, S. Zidi, L. Mouelhi, E. Ghazoueni, E. Brochot, W.Y. Almawi, B.Y. Loueslati

Br. J. Biomed. Sci. 2019, 76(1), 35-41; doi.org/10.1080/09674845.2018.1547179.

(86) Hepatitis C virus protein interaction network for HCV clearance and association of DAA to HCC occurrence via data mining approach: A systematic review and critical analysis

I. Sghaier, E. Brochot, B.Y. Loueslati, W.Y. Almawi

Rev. Med. Virol. 2019 (available online : Jan 6); doi.org/10.1002/rmv.2033.

### 2018

(60) Comparison of Abbott Architect, Siemens Immulite and Diasorin Liaison for determination of Epstein-Barr virus serological diagnosis

C. François, C. Segard, M. Bouvier, M. Stefanski, C. Pannier, P. Zawadzki, C. Roussel, D. Hecquet, G. Duverlie, E. Brochot, S. Castelain

Diag. Microbiol. Inf. Dis. 2018, 90(2), 96-101; doi: 10.1016/j.diagmicrobio.2017.10.020.

(61) Design, synthesis, and antiprotozoal evaluation of new

2,9-bis[(substituted-aminomethyl)phenyl]-1,10-phenanthroline derivatives

J. Guillon, A. Cohen, R. Nath Das, C. Boudot, N. M. Gueddouda, S. Moreau, L. Ronga, S. Savrimoutou, L.

Basmaciyani, C. Tisnerat, S. Mestaniér, S. Rubio, S. Amaziane, A. Dassonville-Klimpt, N. Azas, B. Courtioux, J.-L.

Mergny, C. Mullié, P. Sonnet

Chem. Biol. Drug. Des. 2018, 91, 974-995; doi:10.1002/cmdc.201600511.

(62) Synthesis and antimalarial activity of new enantiopure aminoalcoholpyrrolo[1,2-a]quinoxalines

A. Jonet, J. Guillon, C. Mullié, A. Cohen, G. Bentzinger, S. Hutter, N. Azas, S. Moreau, S. Savrimoutou, P.

Agnamey, A. Dassonville-Klimpt, P. Sonnet

Med. Chem. 2018, 14(3), 293-303; doi:10.2174/1573406413666170726123938.

(63) Crystal Structure of 2,8-Bis(trifluoromethyl)-4-vinylquinoline

J. Guillon, A. Dassonville-Klimpt, S. Moreau, P. Laumaille, M. Marchivie, P. Sonnet

X-ray Structure Analysis Online 2018, 34(4), 15-16.

(64) Chemical Composition of Essential Oil from *Atriplex lentiformis* Leaves

O. Chouitah, B. Meddah, A. Aoues, P. Sonnet

Chemistry of Natural compounds 2018, 54(4), 772-773; doi 10.1007/s10600-018-2470-4.

(65) Intracranial suppurative complications of ear, nose and throat infections: A single-centre cohort study of 65 patients  
M. Erlem, R. Guihéneuf, N. Klopp-Dutote, A. Biet-Hornstein, L. Dégrugilliers, C. Page  
Clin. Otolaryngol. 2018, 43(3), 945-948; doi: 10.1111/coa.13071.

(66) Claudin-1, miR-122 and apolipoprotein E transductions improve the permissivity of SNU-182, SNU-398 and SNU-449 hepatoma cells to hepatitis C virus  
C. Fournier, T.W. Hoffmann, V. Morel, V. Descamps, J. Dubuisson, E. Brochot, C. François, G. Duverlie, S. Castelain, F. Helle  
J. Viral Hepat. 2018, 25, 63-71; doi.org/10.1111/jvh.12767.

(67) Hepatitis E Virus Lifecycle and Identification of 3 Forms of the ORF2 Capsid Protein  
C. Montpellier, C. Wychowski, I.M. Sayed, J.C. Meunier, J.M. Saliou, M. Ankavay, A. Bull, A. Pillez, F. Abravanel, F. Helle, E. Brochot, H. Drobecq, R. Farhat, C.M. Aliouat-Denis, J.G. Haddad, J. Izopet, P. Meuleman, A. Goffard, J. Dubuisson, L. Cocquerel  
Gastroenterology 2018, 154(1), 211-223.e8; doi.org/10.1053/j.gastro.2017.09.020.

(68) Identification of piperazinylbenzenesulfonamides as new inhibitors of claudin-1 trafficking and Hepatitis C Virus entry  
L. Riva, O.R. Song, J. Prentoe, F. Helle, L. L'homme, C.H. Gattolliat, A. Vandeputte, L. Fénéant, S. Belouzard, T.F. Baumert, T. Asselah, J. Bukh, P. Brodin, L. Cocquerel, Y. Rouillé, J. Dubuisson.  
J. Virol. 2018, 92(10), e01982-17; doi: 10.1128/JVI.01982-17.

(69) Cost-effectiveness of lung volume reduction coil treatment in patients with severe emphysema: results from the 2-year follow-up crossover REVOLENS study (REVOLENS-2 study)  
J. Bulsei, S. Leroy, J.M. Perotin, H. Mal, C.H. Marquette, H. Dutau, A. Bourdin, J.M. Vergnon, C. Pison, R. Kessler, V. Jounieaux, M. Salaün, A. Marceau, S. Dukic, C. Barbe, M. Bonnaire, G. Deslee, I. Durand-Zaleski  
Respir. Res. 2018, 19(1), 84-93; doi: 10.1186/s12931-018-0796-x.

(70) Non-steroidal Anti-inflammatory Drug Use and Clinical Outcomes of Community-acquired Pneumonia  
D. Basille, R.W. Thomsen, M. Madsen, P. Duhaut, C. Andrejak, V. Jounieaux, H.T. Sørensen  
Am. J. Respir. Crit. Care Med. 2018, 198, 128; doi: 10.1164/rccm.201802-0229LE.

(71) Prospective Observational Study on the Association Between Serum Mannose-Binding Lectin Levels and Severe Outcome in Critically Ill Patients with Pandemic Influenza Type A (H1N1) Infection  
E. Zogheib, R. Nyga, M. Cornu, B. Sendid, J. Monconduit, V. Jounieaux, J. Maizel, C. Segard, T. Chouaki, H. Dupont  
Lung 2018, 196(1), 65-72; doi: 10.1007/s00408-017-0067-5.

(72) Functional study of the C-terminal part of hepatitis C virus E1 ectodomain.  
R.I. Moustafa, J.G. Haddad, L. Linna, X. Hanouille, V. Descamps, A.A. Mesalam, T.F. Baumert, G. Duverlie, P. Meuleman, J. Dubuisson, M. Lavie  
J. Virol. 2018, 92(20), e00939-18; doi: 10.1128/JVI.00939-18.

(73) Determinants of amikacin first peak concentration in critically ill patients  
C. Boidin, S. Jenck, L. Bourguignon, S. Torkmani, A. Roussel, J. S. Ledochowski, L. Marry, N. Ammenouche, H. Dupont, F. Marçon, B. Allaouchiche, J. Bohé, A. Lepape, S. Goutelle, A. Friggeri  
Fundam. Clin. Pharmacol. 2018, 32(6), 669-677; doi: 10.1111/fcp.12374.

(74) Population pharmacokinetic evaluation of ADV6209, an innovative oral solution of midazolam containing cyclodextrin  
F. Marçon, C. Guittet, M.A. Manso, I. Burton, L.A. Granier, P. Jacqmin, H. Dupont  
Eur. J. Pharm. Sci. 2018, 114, 46-54; doi.org/10.1016/j.ejps.2017.11.030.

(75) Paediatric formulation: budesonide 0.1 mg/mL viscous oral solution for eosinophilic esophagitis using cyclodextrins  
C. Ey, C. Hosselet, B. Villon, F. Marçon  
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(76) Comparison of Abbott Architect, Siemens Immulite and Diasorin Liaison for determination of Epstein-Barr virus serological diagnosis  
C. François, C. Segard, M. Bouvier, M. Stefanski, C. Pannier, P. Zawadzki, C. Roussel, D. Hecquet, G. Duverlie, E. Brochot, S. Castelain  
Diagn. Microbiol. Infect. Dis. 2018, 90(2), 96-101 ; doi : 10.1016/j.diagmicrobio.2017.10.020.

(77) Epidemiology and seasonality of acute respiratory infections in hospitalized children over four consecutive years (2012-2016).  
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(78) Late recurrence of an osteoarticular infection caused by *Klebsiella pneumoniae* in a child  
Boulnois, R. Gouron, E. Pluquet, F. Peltier, M.C. Plancq, F. Deroussen, C. Klein  
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(79) Paediatric Needs: Challenge and Opportunities for Hospital Pharmacists  
F. Marçon  
Pharm. Technol. Hosp. Pharm. 2018, 3(2), 47-48; doi.org/10.1515/pthp-2018-0016.

(80) Risk factors for BK virus viremia and nephropathy after kidney transplantation: A systematic review  
B. Demey, C. Tinez, C. François, F. Helle, G. Choukroun, G. Duverlie, S. Castelain, E. Brochot

Clin. Virol. 2018, 109, 6-12; doi.org/10.1016/j.jcv.2018.10.002.

(81) MICA and NKG2D variants as risk factors in spondyloarthritis: a case-control study

M. Fechtenbaum, J. Desoutter, G. Delvallez, E. Brochot, N. Guillaume, V. Goëb

Genes Immun. 2018, Sep 4; doi.org/10.1038/s41435-018-0044-x.

(82) Breastmilk donations: Bacteriological assessment, analysis of causes of non-compliance and suggestions for improvement

C. Mullié, O. Obin, G. Outurquin, S. Grognet, A. Léké, C.C. Adjidéa

Arch. Pediatr. 2018, 25(4), 263-268; doi.org/10.1016/j.arcped.2018.02.006.

## 2017

(32) High association of T1858-G1896 precore mutations with impaired base pairing and high hepatitis B virus DNA levels in HBeAg-negative chronically infected patients

S. Castelain, V. Descamps, E. Brochot, F. Helle, G. Duverlie, E. Nguyen-Khac, C. François

Arch Virol. 2017, 162(7), 1913-1920; doi: 10.1007/s00705-017-3312-6.

(33) DHEA prevents ribavirin-induced anemia via inhibition of glucose-6-phosphate dehydrogenase

L. Handala, B. Domange, H. Ouled-Haddou, L. Garçon, E. Nguyen Khac, F. Helle, S. Bodeau, G. Duverlie, E. Brochot

Antiviral Res. 2017, 146, 153-160; doi: 10.1016/j.antiviral.2017.09.002.

(34) Biology of the BKPyV: An update

F. Helle, E. Brochot, L. Handala, E. Martin, S. Castelain, C. François, G. Duverlie

Viruses 2017, 9(11), 327-345; doi: 10.3390/v9110327.

(35) Targeting the Unfolded Protein Response as a Potential Therapeutic Strategy in Renal Carcinoma Cells Exposed to Cyclosporine A.

S. Bodeau, C. Sauzay, R. Nyga, C. Louandre, V. Descamps, C. François, C. Godin, G. Choukroun, A. Galmiche

Anticancer Res. 2017, 37(3), 1049-1057; doi: 10.21873/anticancer.11416.

(36) A simple and Reliable Strategy for BK Virus Subtyping and Subgrouping

V. Morel, E. Martin, C. François, F. Helle, J. Faucher, T. Mourez, G. Choukroun, G. Duverlie, S. Castelain, E. Brochot

J. Clin. Microbiol. 2017, 55(4), 1177-1185; doi: 10.1128/JCM.01180-16.

(37) Apolipoprotein(a) inhibits hepatitis C virus entry through interaction with infectious particles

C. Oliveira, C. Fournier, V. Descamps, V. Morel, C.A. Scipione, R. Romagnuolo, M.L. Koschinsky, A. Boullier, P.

Marcelo, J.M. Domon, E. Brochot, G. Duverlie, C. François, S. Castelain, F. Helle

Hepatology 2017, 65(6), 1851-1864; doi: 10.1002/hep.29096.

(38) Evaluation of the phytoremediation potential of Arundo Donax L. for Nickel contaminated soil

W. Atma, M. Larouci, B. Meddah, K. Benabdeli, P. Sonnet

Int. J. Phytoremediation 2017, 19(4), 377-386; doi: 10.1080/15226514.2016.1225291.

(39) Design, synthesis and antimalarial activity of novel

bis{N-[(pyrrolo[1,2-a]quinoxalin-4-yl)benzyl]-3-aminopropyl}amine derivatives

J. Guillon, A. Cohen, N.M. Gueddouda, R. Nath Das, S. Moreau, L. Ronga, S. Savrimoutou, L. Basmacyian, A.

Monnier, M. Monget, S. Rubio, T. Garnerin, N. Azas, J.-L. Mergn, C. Mullié, P. Sonnet

J. Enzyme Inhib. Med. Chem. 2017, 32, 547-563; doi: 10.1080/14756366.2016.1268608.

(40) Anti-mycotoxin effect and antifungal properties of essential oil from Ammodaucus leucotrichus Coss. & Dur. on Aspergillus flavus and Aspergillus ochraceus

A. Khaldi, B. Meddah, A. Moussaoui, P. Sonnet

J. Essent. Oil Bear. Pl. 2017, 20(1), 36-44; doi: 10.1080/0972060X.2017.1282840.

(41) Synthesis and antiproliferative effect of new ethyl

4-(4-substitutedpiperidin-1-yl)benzylpyrrolo[1,2-a]quinoxalinecarboxylate derivatives on human leukemic cells

V. Desplat, M. Vincenzi, R. Lucas, S. Moreau, S. Savrimoutou, S. Rubio, N. Pinaud, D. Bigat, E. Enriquez, M.

Marchivie, S. Routier, P. Sonnet, F. Rossi, L. Ronga, J. Guillon

ChemMedChem 2017, 12, 940-953; doi: 10.1002/cmdc.201700049.

(42) Enantiopure Amino-Alcohol Fluorenes as New Antimalarial Drugs

J. Schneider, A. Dassonville-Klimpt, N. Taudon, P. Sonnet

Pharmaceuticals 2017, 10, 17, 15-16; doi : 10.3390/ph10010017.

(43) Oligogalacturonic acid inhibits vascular calcification through interaction with collagen

A. Hodroge, E. Trecherel, M. Cornu, K. Ait-Mohand, T. Verissimo, C. Gomila, C. Cathy, C. Schrembi, S. Da

Nascimento, E. Elboutachfait, A. Boullier, E. Lorne, J. Courtois, E. Petit, S. Toumieux, J. Kovensky, P. Sonnet, Z.

Massy, S. Kamel, C. Rossi, J. Ausseil

Arterioscler. Thromb. Vasc. Biol. 2017, 37 (7), 1391-1401; doi: 10.1161/ATVBAHA.117.309513.

(44) Synthesis, iron(III) complexation properties, molecular dynamics simulations and P. aeruginosa siderophore-like activity of two pyoverdine analogs

V. Antonietti, S. Boudesocque, L. Dupont, N. Farvacques, C. Cézard, S. Da Nascimento, J.-F. Raimbert, L. Socrier, T.J. Robin, S. Morandat, K. El Kirat, C. Mullié, P. Sonnet

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(45) Essential Oil from the leaves of Ajuga iva : chemical composition and antimicrobial activity

- O. Chouitah, B. Meddah, P. Sonnet  
*J. Essent. Oil Bear. Pl.* 2017, 20(3), 873-877; doi: 10.1080/0972060X.2017.1337526.
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 A. Belmimoun, B. Meddah, S. Larbi, P. Sonnet  
*Int. J. Eng. Technol. Manag. Res.* 2017, 4 (5), 1-10; doi: 10.5281/zenodo.805965.
- (47) PCR detection of staphylococcal enterotoxin genes and exfoliative toxin genes in methicillin-resistant and methicillin-susceptible *Staphylococcus aureus* strains from raw human breast milk  
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- (48) DHEA prevents ribavirin-induced anemia via inhibition of glucose-6-phosphate dehydrogenase  
 L. Handala, B. Domange, H. Ouled-Haddou, L. Garçon, E. Nguyen-Khac, F. Helle, S. Bodeau, G. Duverlie, E. Brochot  
*Antiviral Res.* 2017, 146, 153-160; doi: 10.1016/j.antiviral.2017.09.002.
- (49) Role of TLRs and IL-6 in the outcome of chronic hepatitis C treatment in Tunisian population.  
 I. Sghaier, L. Mouelhi, E. Ghazoueni, E. Brochot, W.Y. Almawi, B. Yacoubi-Loueslati  
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- (50) Hemoglobin during ribavirin-based HCV therapy is closely related to circulating levels of DHEA.  
 S. Bodeau, J.P. Lemouel, M. Diouf, G. Duverlie, E. Nguyen-Khac, E. Brochot  
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- (51) Identification of Novel Functions for Hepatitis C Virus Envelope Glycoprotein E1 in Virus Entry and Assembly  
 J.G. Haddad, Y. Rouillé, X. Hanouille, V. Descamps, M. Hamze, F. Dabboussi, T.F. Baumert, G. Duverlie, M. Lavie, J. Dubuisson  
*J. Virol.* 2017, 91(16), e00438-17; doi: 10.1128/JVI.00048-17.
- (52) Circulating tumour cells as a potential screening tool for lung cancer (the AIR study): protocol of a prospective multicentre cohort study in France  
 S. Leroy, J. Benzaquen, A. Mazzetta, S. Marchand-Adam, B. Padovani, D. Israel-Biet, C. Pison, P. Chanez, J. Cadranel, J. Mazières, V. Jounieaux, C. Cohen, V. Hofman, M. Ilie, P. Hofman, C.H. Marquette, AIR Project Study Group  
*BMJ Open.* 2017, 7(12), e018884; doi: 10.1136/bmjopen-2017-018884.
- (53) Two-year follow-up after endobronchial coil treatment in emphysema: results from the REVOLENS study  
 G. Deslée, S. Leroy, J.M. Perotin, H. Mal, H. Dutau, A. Bourdin, J.M. Vergnon, C. Pison, R. Kessler, V. Jounieaux, M. Salaün, A. Marceau, S. Dury, J. Benzaquen, M. Bonnaire, S. Dukic, C. Barbe, C.-H. Marquette, REVOLENS Study Group  
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- (54) Non-steroidal Anti-inflammatory Drugs may Worsen the Course of Community-Acquired Pneumonia: A Cohort Study  
 D. Basille, N. Plouvier, C. Trouve, P. Duhaut, C. Andrejak, V. Jounieaux  
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- (55) Home Environment as a Source of Life-Threatening Azole-Resistant *Aspergillus fumigatus* in Immunocompromised Patients  
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- (57) A case of acute clival osteomyelitis in a 7-year-old boy secondary to infection of a Thornwaldt cyst  
 Y. Benadjaoud, N. Klopp-Dutote, M. Choquet, E. Brunel, R. Guihéneuf, C. Page  
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- (58) Seasonal flu vaccination: a matter of choice?  
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*J. Hosp. Infect.* 2017, 96(3), 302-303; doi: 10.1016/j.jhin.2017.04.016.
- (59) In Vivo-Selected Pyrazinoic Acid-Resistant *Mycobacterium tuberculosis* Strains Harbor Missense Mutations in the Aspartate Decarboxylase PanD and the Unfoldase ClpC1  
 P. Gopal, R. Tasneen, M. Yee, J.P. Lanoix, J. Sarathy, G. Rasic, L. Li, V. Dartois, E. Nuermberger, T. Dick  
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- (2) The origin of the stereoselective alkylation of 3-substituted-2-oxopiperazines: a computational investigation  
 C. Cézard, B. Bouvier, A. Dassonville-Klimpt, P. Sonnet  
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- (3) -hematin crystal formation: New insights from molecular dynamics simulations of small clusters in condensed phase

- J.P. Becker, F. Wang, P. Sonnet, F.Y. Dupradeau  
Cryst. Growth Des. 2016 16, 2249-2259; doi: 10.1021/acs.cgd.6b00052.
- (4) Synthesis and evaluation of the cytotoxic activity of novel ethyl 4-[4-(4-substitutedpiperidin-1-yl)]benzyl-phenylpyrrolo[1,2-a]quinoxaline-carboxylate derivatives in myeloid and lymphoid leukemia cell lines  
V. Desplat, M. Vincenzi, R. Lucas, S. Moreau, S. Savrimoutou, N. Pinaud, J. Lesbordes, E. Peyrilles, M. Marchivie, S. Routier, P. Sonnet, F. Rossi, L. Ronga, J. Guillon  
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S. Tanvir, G. Thuroczy, B. Selmaoui, V. Silva Pires-Antonietti, P. Sonnet, D. Arnaud-Cormos, P. Lévêque, S. Pulvin, R. de Seze.  
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- (6) Conversion of Dermal Proteins of an Algerian Ovine to an Antimicrobial Agent for Skin Lesion  
M.D. Tabak, B. Meddah, P. Sonnet  
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- (7) The antibacterial effect of two medicinal plants *Inula viscosa*, *Anacyclus valentinus* (Asteraceae) and their synergistic interaction with antibiotic drugs  
K. Side Larbi, B. Meddah, A.T.T. Meddah, P. Sonnet  
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J. Guillon, S. Moreau, L. Ronga, L. Basmacyian, A. Cohen, S. Rubio, G. Bentzinger, S. Hutter, N. Azas, C. Mullié, P. Sonnet  
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## Publications annexes

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(A-1) Gastric Stenosis After Laparoscopic Sleeve Gastrectomy: Diagnosis and Management  
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## Contributions à des ouvrages

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(O-1) Fungal hydroxamate siderophores: biosynthesis, chemical synthesis and potential medical applications  
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(O-2) Efflux pumps in *Acinetobacter baumannii*: role in antibiotic resistance and interest of efflux pump inhibitors as additional therapeutic weapons  
C. Mullié, B. Bouharkat, R. Guiheneuf, C. Serra, A. Tir Touil-Meddah, P. Sonnet  
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(O-3) Recent advances in antimalarial drugs: structures, mechanisms of action and clinical trials  
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