

Vincent COURTILLOT - Publications

Books (or Book Chapters)

1- *La dérive des continents*

V. COURTILLOT et P. TAPPONNIER

In *La mémoire de la Terre*, par A. ADOUTTE,...,V.COURTILLOT,... ,
115-125, Seuil, Paris, 1992.

2- *La Vie en Catastrophes*

V. COURTILLOT

279 pp., Fayard, Paris, 1995.

(translated in German and English, 1999)

3- Evolutionary Catastrophes: The Science of Mass Extinction

V. COURTILLOT

171 pp., Cambridge University Press, Cambridge, 1999.

(translation and update)

Paperback in 2002

4- La dynamique du Globe contrôle-t'elle l'évolution des espèces ?

V. COURTILLOT

in *Qu'est ce que la vie ?* Y. Michaud ed., Université de tous les savoirs, vol. 1, pp. 149-162,
Editions Odile Jacob, Paris, 2000.

5- L'observation du globe

V. COURTILLOT

in *Le renouvellement de l'observation dans les sciences*, Y. Michaud ed., Université de tous
les savoirs, pp. 115-118, Editions Odile Jacob, Paris, 2003.

6- Volcanisme et évolution de la vie sur terre

V. COURTILLOT

in *Qu'est ce que la diversité de la vie ?*, Y. Michaud ed., Université de tous les savoirs, pp.
133-145, Editions Odile Jacob, Paris, 2003.

7- Nouveau Voyage au Centre de la Terre (provisional title)

V. COURTILLOT

Editions Odile Jacob, Paris, to be published September 2009.

Articles for the public at large (Scientific American type)

1- Les panaches, moteur de la dérive des continents

V. COURTILLOT

La Recherche, **32**, 270-272 (1973)

2- Crise de l'énergie: la solution géothermique

- V. COURTILLOT
La Recherche, **35**, 586-587 (1973)
- 3- Volcanisme et tectonique en Islande
P. TAPPONNIER, V. COURTILLOT
La Recherche, **37**, (1973)
- 4- La prédiction des tremblements de terre
V. COURTILLOT
La Recherche, **38**, (1974)
- 5- Le champ magnétique de la Terre
V. COURTILLOT, J.L. LE MOUËL
La Recherche, **39**, 720-730 (1975)
- 6- Les transferts d'énergie thermique à travers l'écorce terrestre
Y. BOTTINGA, V. COURTILLOT
Courrier du CNRS, **19**, 30-35 (1976)
Traduction en anglais: in *CNRS Research*, **8**, 43-48 (1978)
- 7- Chapitre "La Terre" dans Histoire de l'Univers, par A. HAYLI, Hachette (1980)
- 8- Article "Les Sciences de la Terre" dans Encyclopédie générale, Hachette (1980)
- 9- How continents break up
V. COURTILLOT, G. VINK
Scientific American, **249**, 42-49 (1983)
Traduction française: Comment se fracturent les continents
V. COURTILLOT, G. VINK
Pour la Science, n°71, 100-108 (1983)
- 10- Le Paléomagnétisme: un outil puissant pour le stratigraphe et le tectonicien
V. COURTILLOT
Bulletin Association Française des Techniciens du Pétrole
volume: Le Temps et la Géologie pétrolière: de la milliseconde aux millions d'années
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- 11- A volcanic eruption?
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- 12- Les inversions du champ magnétique terrestre
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- 13- La politique de recherche et de formation doctorale, un investissement d'avenir
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- 14- Les inversions du champ magnétique
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- 15- Le grand balai de la vie
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- 16- Risques naturels de la Terre solide
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17. Des éruptions volcaniques ravageuses
 V. COURTILLOT, F. FLUTEAU, A.L. CHENET
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- 18- Le Point Chaud Afar
 V. COURTILLOT
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Scientific Papers

- 1- Dorsales médio-océaniques : un modèle évolutif de la zone axiale
 R. BAYER, V. COURTILLOT, M. DAIGNIERES, P. TAPPONNIER
CRAS, **276**, 2765-2768 (1973)
- 2- Le prolongement d'un champ de potentiel d'un contour quelconque sur un contour horizontal
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- 3- A simple formalism for the study of transformed aeromagnetic profiles
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- 4- Une méthode simple d'évaluation de la correction topographique dans les problèmes de flux de chaleur
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- 5- Continuation of three dimensional potential fields measured on an uneven surface
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- 6- A solution of some inverse problems in geomagnetism and gravimetry
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- 7- Surface features associated with transform faults: a comparison between observed examples and an experimental model
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- 8- An aeromagnetic survey of the western Mediterranean: description and tectonic implications
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- 9- *Quelques applications du problème inverse au géomagnétisme et à la gravimétrie*
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- 13- Intreprétation des anomalies magnétiques et prospection magnétique
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- 27- Le levé aéromagnétique de la République de Djibouti
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