

PUBLICATIONS

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Indicateurs bibliométriques (au 25 janvier 2023) :

- **Harzing Publish or Perish** : 4349 citations
 - Facteur h : 22
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Zentralblatt für Mathematik : 224 comptes rendus au total au 6 déc. 2022, dont 16 recensions critiques d'ouvrages, disponibles sur <https://zbmath.org/>

Mathematical Reviews : 74 comptes rendus dont deux recensions critiques d'ouvrages, disponibles sur <https://mathscinet.ams.org>

Monographies (1-2) et contributions à des ouvrages collectifs (3-7)

1. *Nonlinear Wave Equations*,

monographie, dans la collection “*Pure and Applied Mathematics: A Series of Monographs and Textbooks*,” vol. 194, Marcel Dekker, New York (septembre 1995), xv + 276 pages (ISBN: 0-8247-9328-5).

2. *Fuchsian Reduction : Applications to Geometry, Cosmology and Mathematical Physics*, monographie, vol. 71 de la collection *Progress in Nonlinear Differential Equations and Their Applications*, Birkhäuser Verlag (septembre 2007) xi + 289 pages (ISBN: 978-0-8176-4352-2).

3. “Schauder-type estimates and applications”,

Chap. 5 du *Handbook of Differential Equations*, Section “*Stationary Partial Differential Equations*”, M. Chipot and P. Quittner (eds.), Elsevier, 2006, vol. 3, pp. 401–464.

4. “Symmetric hyperbolic systems and shock waves”,

in *Encyclopedia of Mathematical Physics*, J.-P. Francoise, G. L. Naber, Tsou S. T. (eds.), Oxford : Elsevier, 2006, vol. 5, pp. 160–166.

5. « L’emploi métonymique de l’arbre *kallāl* dans la philosophie médiévale tamoule »,

in : *L'Arbre en Asie*, P. S. Filliozat et M. Zink éd., Paris, AIBL (Académie des Inscriptions et Belles-Lettres), 2018, pp. 279–299.

6. « L'irruption de l'infini : une analyse indienne du problème de l'origine du monde », in : *Mythes d'origine dans les civilisations de l'Asie*, (éd. P.-S. Filliozat et M. Zink), AIBL (Acad. des Inscriptions et Belles-Lettres), Paris, (2021), pp. 145-167 (ISBN : 978-2-87754-672-0).

7. “An Indian critique of the notion of absolute beginning”,
Images and Stories of the Origin(s) of the World and Humankind, Julia A. B. Hegewald & Marion Gymnich (eds), Mohr Siebeck, Tübingen, 2024, pp. 84–109 (ISBN 978-3-16-162736-1). *E-book* : ISBN 978-3-16-162737-8 DOI [10.1628/978-3-16-162737-8](https://doi.org/10.1628/978-3-16-162737-8)

Actes de conférences internationales, de colloques et de séminaires

C1. Energy estimates for surface-valued maps with prescribed singularities,
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A. Marino et M. K. V. Murthy (éds.), (1989) pp. 92–98 (avec H. Brezis).

C2. Symmetrization on the sphere and applications,
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C3. Périmètre sur les variétés et applications aux équations aux dérivées partielles,
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C4. Breathers and the sine-Gordon equation,
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C5. Gradient flows and geometric active contour models,
in : *Proceedings of the ICCV 1995 (International Conference on Computer Vision)* pp. 810–815
(avec A. Kumar, P. J. Olver, A. Tannenbaum et A. Yezzi).

C6. Active contours for visual tracking: a geometric gradient based approach,
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C8. Stability of blow-up patterns for nonlinear wave equations,

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C11. The mathematical analysis of the Perona-Malik equation and its practical impact,
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C12. Brahmagupta's triquadrilateral,
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in : *Comptes Rendus du Séminaire d'Histoire des Mathématiques*, **1** (2015), pp. 47-66.
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C14. О решении уравнения Лиувилля (1850, 1853) и его влиянии (On the solution of Liouville's equation (1850, 1853) and its impact)
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R.A. Fando [Р.А. Фандо], E.V. Minina [Е.В. Минина] and V.M. Savenkova [В.М. Савенкова], eds. (ISBN 978-5-6046393-4-4), pp. 81-86.
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[Link to English translation on HAL.](#)

C15. The Cauchy-Bunyakovsky-Schwarz inequality and its mathematical interpretations,
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C16. Geometry without figures : Mathematics as apodictic discourse in Indian texts,
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Articles dans des revues internationales avec comité de lecture.

N.B. A40, A49, A51 sont des recensions critiques d'ouvrages.

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A4. Quasilinear problems with singularities,
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A8. Breather solutions of the nonlinear wave equation,
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A10. Blow-up surfaces for nonlinear wave equations, Part I,
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- A14.** Applications of the division theorem in H^s ,
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- A15.** Fuchsian equations in Sobolev spaces and blow-up.
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- A16.** The blow-up problem for exponential nonlinearities,
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- A22.** Analytic description of singularities in Gowdy spacetimes,
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- A27.** Stellar models and irregular singularities,
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- A28.** Régularité du rayon hyperbolique,
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A64. (art) “New perspectives on the development of the Indian positional system in the light of Sanskrit, Pali and Tamil sources,” *Gaṇita Bhāratī*, **44** (1) (2022), 20 pages, sous presse.

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Comptes rendus d'ouvrages et d'articles pour le Zentralblatt für Mathematik et les Mathematical Reviews

A. Pour le *Zentralblatt für Mathematik* (224 recensions, accessibles via [ce lien](#))

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R-O2. Zbl 1320.35002 Galaktionov, Victor A.; Mitidieri, Enzo, L., Pohozaev, Stanislav I.
Blow-up for Higher-Order Parabolic, Hyperbolic, Dispersion and Schrödinger Equations.

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35B44 35G20 35Q53 35C06 35K25 35L25 35K59 35L77

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