A.1 Journal papers

Authors: Badia, S.; Hierro, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On discrete maximum principles for discontinuous Galerkin methods

Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering

ISSN: 0045-7825   **Year:** 2015

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 2.626   **Number of citations:**

Link to text:

Authors: Badia, S.; Codina, R.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Analysis of an unconditionally convergent stabilized finite element formulation for incompressible magnetohydrodynamics

Journal (title, volume, first-last page): Archives of computational methods in engineering

ISSN: 1134-3060   **Year:** 2015

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 4.136   **Number of citations:**

Link to text: http://link.springer.com/article/10.1007%2Fs11831-014-9129-5#page-1

Authors: Smolentsev, S.; Badia, S.; Bhattacharyayd, R.; Mas De Les Valls, E.; Patel, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus; GREENTECH - Grup de Recerca en Tecnologies Renovables

Title: An approach to verification and validation of MHD codes for fusion applications

Journal (title, volume, first-last page): Fusion engineering and design

ISSN: 0920-3796   **Year:** 2015

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q2

Impact factor: 1.149   **Number of citations:**

Link to text: http://www.sciencedirect.com/science/article/pii/S0920379614003263

Authors: Colomés, O.; Badia, S.; Codina, R.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Assessment of variational multiscale models for the large eddy simulation of turbulent incompressible flows

Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 285, pp. 32-63

ISSN: 0045-7825   **Year:** 2015

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 2.626   **Number of citations:**

Link to text: http://www.sciencedirect.com/science/article/pii/S0045782514004113

Authors: Badia, S.; Hierro, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On monotonicity-preserving stabilized finite element approximations of transport problems

Journal (title, volume, first-last page): SIAM journal on scientific computing, vol. 36, no. 6, pp. A2673-A2697

ISSN: 1064-8275   **Year:** 2014

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.94   **Number of citations:**

Link to text: http://epubs.siam.org/doi/abs/10.1137/130927206

Authors: Badia, S.; Martín, A. F.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Block recursive LU preconditioners for the thermally coupled incompressible inductionless MHD problem

Journal (title, volume, first-last page): Journal of computational physics, vol. 274, pp. 562-591

ISSN: 0021-9991	**Year:** 2014
Impact assessment agencies: JCR-Science Edition (2013)	**Quartile:** Q1
Impact factor: 2.485	**Number of citations:**

Link to text: http://www.sciencedirect.com/science/article/pii/S0021999114004355

Authors: Badia, S.; Gutierrez, V.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Convergence towards weak solutions of the Navier-Stokes equations for a finite element approximation with numerical subgrid-scale modelling

Journal (title, volume, first-last page): IMA journal of numerical analysis, vol. 34, no. 3, pp. 1193-1221

ISSN: 0272-4979	**Year:** 2014
Impact assessment agencies: JCR-Science Edition (2013)	**Quartile:** Q1
Impact factor: 1.25	**Number of citations:**

Link to text: http://imajna.oxfordjournals.org/content/34/3/1193

Authors: Espinoza, H.; Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A Sommerfeld non-reflecting boundary condition for the wave equation in mixed form

Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 276, pp. 122-148

ISSN: 0045-7825	**Year:** 2014
Impact assessment agencies: JCR-Science Edition (2013)	**Quartile:** Q1
Impact factor: 2.626	**Number of citations:**

Link to text: http://www.sciencedirect.com/science/article/pii/S0045782514001017

Authors: Badia, S.; Codina, R.; Espinoza, H.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Stability, convergence, and accuracy of stabilized finite element methods for the wave equation in mixed form

Journal (title, volume, first-last page): SIAM journal on numerical analysis, vol. 52, no. 4, pp. 1729-1752

ISSN: 0036-1429	**Year:** 2014
Impact assessment agencies: JCR-Science Edition (2013)	**Quartile:** Q1
Impact factor: 1.69	**Number of citations:**

Link to text: http://epubs.siam.org/doi/abs/10.1137/130918708

Authors: Badia, S.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A highly scalable parallel implementation of balancing domain decomposition by constraints

Journal (title, volume, first-last page): SIAM journal on scientific computing, vol. 36, no. 2, pp. C190-C218

ISSN: 1064-8275	**Year:** 2014
Impact assessment agencies: JCR-Science Edition (2013)	**Quartile:** Q1
Impact factor: 1.94	**Number of citations:** 1

Link to text: http://epubs.siam.org/doi/abs/10.1137/130931989?af=R&

Authors: Badia, S.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Enhanced balancing Neumann-Neumann preconditioning in computational fluid and solid mechanics
Journal (title, volume, first-last page): International journal for numerical methods in engineering, vol. 96, no. 4, pp. 203-230

ISSN: 0029-5981   **Year:** 2013

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.961   **Number of citations:** 2

Link to text: http://onlinelibrary.wiley.com/doi/10.1002/nme.4541/abstract

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Authors: Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On the design of discontinuous Galerkin methods for elliptic problems based on hybrid formulations
Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 263, pp. 158-168

ISSN: 0045-7825   **Year:** 2013

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 2.626   **Number of citations:** 2

Link to text: http://www.sciencedirect.com/science/article/pii/S0045782513001217

Authors: Badia, S.; Codina, R.; Gudi, T.; Guzmán, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Error analysis of discontinuous Galerkin methods for the Stokes problem under minimal regularity
Journal (title, volume, first-last page): IMA journal of numerical analysis, vol. 34, no. 2, pp. 800-819
ISSN: 0272-4979   **Year:** 2014

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.25   **Number of citations:**

Link to text: http://imajna.oxfordjournals.org/content/early/2013/07/18/imanum.drt022.abstract

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Authors: Badia, S.; Baiges, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Adaptive finite element simulation of incompressible flows by hybrid continuous-discontinuous Galerkin formulations

Journal (title, volume, first-last page): SIAM journal on scientific computing, vol. 35, no. 1, pp. A491-A516
ISSN: 1064-8275   **Year:** 2013

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.94   **Number of citations:** 1

Link to text: http://epubs.siam.org/doi/abs/10.1137/120880732

Authors: Badia, S.; Codina, R.; Planas, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On an unconditionally convergent stabilized finite element approximation of resistive magnetohydrodynamics
Journal (title, volume, first-last page): Journal of computational physics, vol. 234, pp. 399-416
ISSN: 0021-9991   **Year:** 2013

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 2.485   **Number of citations:** 3

Link to text: http://www.sciencedirect.com/science/article/pii/S0021999112005761

Authors: Badia, S.; Planas, R.; Gutierrez, V.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Unconditionally stable operator splitting algorithms for the incompressible magnetohydrodynamics (MHD) system discretized by a stabilized finite element formulation based on projections
Journal (title, volume, first-last page): International journal for numerical methods in engineering, vol. 93, no. 3, pp. 302-328

ISSN: 0029-5981   **Year:** 2013

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.961   **Number of citations:** 1

Link to text: http://onlinelibrary.wiley.com/doi/10.1002/nme.4392/abstract

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Authors: Badia, S.; Martín, A. F.; Principe, J.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Implementation and scalability analysis of balancing domain decomposition methods
Journal (title, volume, first-last page): Archives of computational methods in engineering, vol. 20, no. 3, pp. 239-262

ISSN: 1134-3060   **Year:** 2013

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 4.136   **Number of citations:** 2

Link to text: http://link.springer.com/article/10.1007%2Fs11831-013-9086-4

Authors: Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On stabilized finite element methods based on the Scott-Zhang projector: circumventing the inf-sup condition for the Stokes problem
Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 247-248, pp. 65-72

ISSN: 0045-7825   **Year:** 2012

Impact assessment agencies: JCR-Science Edition (2012)   **Quartile:** Q1

Impact factor: 2.617   **Number of citations:** 6

Link to text: http://hdl.handle.net/2117/16919

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Stokes, Maxwell and Darcy: a single finite element approximation for three model problems
Journal (title, volume, first-last page): Applied numerical mathematics, vol. 62, no. 4, pp. 246-263
ISSN: 0168-9274   **Year:** 2012

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q2

Impact factor: 1.036   **Number of citations:** 6

Link to text: http://www.sciencedirect.com/science/article/pii/S0168927411001097

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A nodal-based finite element approximation of the Maxwell problem suitable for singular solutions
Journal (title, volume, first-last page): SIAM journal on numerical analysis, vol. 50, no. 2, pp. 398-417
ISSN: 0036-1429   **Year:** 2012

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.69   **Number of citations:** 5

Link to text: http://epubs.siam.org/doi/abs/10.1137/110835360

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A combined nodal continuous–discontinuous finite element formulation for the Maxwell problem

Journal (title, volume, first-last page): Applied mathematics and computation, vol. 218, no. 8, pp. 4276-4294

ISSN: 0096-3003   **Year:** 2011

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.6   **Number of citations:** 6

Link to text: http://www.sciencedirect.com/science/article/pii/S00963003311012306

Authors: Badia, S.; Guillen, F.; Gutierrez, V.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: An Overview on Numerical Analyses of Nematic Liquid Crystal Flows

Journal (title, volume, first-last page): Archives of computational methods in engineering, vol. 18, no. 3, pp. 285-313

ISSN: 1134-3060   **Year:** 2011

Impact assessment agencies: JCR-Science Edition (2011)   **Quartile:** Q1

Impact factor: 2.767   **Number of citations:**

Link to text: http://badia.rmee.upc.es/articles/art022.pdf

Authors: Planas, R.; Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Approximation of the inductionless MHD problem using a stabilized finite element method

Journal (title, volume, first-last page): Journal of computational physics, vol. 230, no. 8, pp. 2977-2996

ISSN: 0021-9991   **Year:** 2011

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 2.485   **Number of citations:** 8

Link to text: linkinghub.elsevier.com/retrieve/pii/S0021999110006042

Authors: Badia, S.; Guillen, F.; Gutierrez, V.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Finite element approximation of nematic liquid crystal flows using a saddle-point structure

Journal (title, volume, first-last page): Journal of computational physics, vol. 230, no. 4, pp. 1686-1706

ISSN: 0021-9991   **Year:** 2011

Impact assessment agencies: JCR-Science Edition (2011)   **Quartile:** Q1

Impact factor: 2.31   **Number of citations:** 4

Link to text: linkinghub.elsevier.com/retrieve/pii/S0021999110006480

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Stabilized continuous and discontinuous Galerkin techniques for Darcy flow

Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 199, no. 25-28, pp. 1654-1667

ISSN: 0045-7825   **Year:** 2010

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 2.626   **Number of citations:** 15

Link to text: http://www.sciencedirect.com/science/article/pii/S0045782510000241

Authors: Badia, S.; Codina, R.; Gutierrez, V.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Long-term stability estimates and existence of a global attractor in a finite element approximation of the navier-stokes equations with numerical subgrid scale modeling

Journal (title, volume, first-last page): SIAM journal on numerical analysis, vol. 48, no. 3, pp. 1013-1037

ISSN: 0036-1429 **Year:** 2010

Impact assessment agencies: JCR-Science Edition (2013) **Quartile:** Q1

Impact factor: 1.69 **Number of citations:** 6

Link to text: http://epubs.siam.org/doi/abs/10.1137/090766681

Authors: Badia, S.; Quaini, A.; Quarteroni, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Coupling Biot and Navier-Stokes equations for modelling fluid-poroelastic media interaction

Journal (title, volume, first-last page): Journal of computational physics, vol. 228, no. 21, pp. 7986-8014

ISSN: 0021-9991 **Year:** 2009

Impact assessment agencies: JCR-Science Edition (2009) **Quartile:** Q1

Impact factor: 2.369 **Number of citations:** 5

Link to text: http://www.ing-mat.udec.cl/wonapde2010/minisymposia/abstract/quaini.pdf

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Authors: Badia, S.; Nobile, F.; Vergara, C.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Robin-Robin preconditioned Krylov methods for fluid¿structure interaction problems

Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 198, no. 33-36, pp. 2768-2784

ISSN: 0045-7825 **Year:** 2009

Impact assessment agencies: JCR-Science Edition (2009) **Quartile:** Q1

Impact factor: 1.806 **Number of citations:** 31

Link to text:

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Unified stabilized finite element formulations for the Stokes and the Darcy problems

Journal (title, volume, first-last page): SIAM journal on numerical analysis, vol. 47, no. 3, pp. 1971-2000

ISSN: 0036-1429 **Year:** 2009

Impact assessment agencies: JCR-Science Edition (2013) **Quartile:** Q1

Impact factor: 1.69 **Number of citations:** 28

Link to text: http://epubs.siam.org/doi/abs/10.1137/08072632X

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On a multiscale approach to the transient Stokes problem: dynamic subscales and anisotropic space-time discretization

Journal (title, volume, first-last page): Applied mathematics and computation, vol. 207, no. 2, pp. 415-433

ISSN: 0096-3003 **Year:** 2009

Impact assessment agencies: JCR-Science Edition (2009) **Quartile:** Q2

Impact factor: 1.124 **Number of citations:** 16

Link to text: http://www.sciencedirect.com/science/article/pii/S0096300308008291

Authors: Badia, S.; Quaini, A.; Quarteroni, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Modular vs non-modular preconditioners for fluid-structure systems with large added-mass effect
Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 197, no. 49-50, pp. 4216-4232

ISSN: 0045-7825	**Year:** 2008
Impact assessment agencies: JCR-Science Edition (2008)	**Quartile:** Q1
Impact factor: 2.129	**Number of citations:**

Link to text:

Authors: Badia, S.; Fabio, N.; Vergara, C.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Fluid-structure partitioned procedures based on Robin transmission conditions
Journal (title, volume, first-last page): Journal of computational physics, vol. 227, no. 14, pp. 7027-7051

ISSN: 0021-9991	**Year:** 2008
Impact assessment agencies: JCR-Science Edition (2008)	**Quartile:** Q1
Impact factor: 2.279	**Number of citations:**

Link to text:

Authors: Badia, S.; Parks, M.; Bochev, P.; Gunzburger, M.; Lehoucq , R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On atomistic-to-continuum coupling by blending
Journal (title, volume, first-last page): Multiscale modeling and simulation, vol. 7, no. 1, pp. 381-406

ISSN: 1540-3459	**Year:** 2008
Impact assessment agencies: JCR-Science Edition (2008)	**Quartile:** Q1
Impact factor: 1.726	**Number of citations:** 39

Link to text:

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Pressure segregation methods based on a discrete pressure Poisson equation: an algebraic approach
Journal (title, volume, first-last page): International journal for numerical methods in fluids, vol. 56, no. 4, pp. 351-382

ISSN: 0271-2091	**Year:** 2008
Impact assessment agencies: JCR-Science Edition (2013)	**Quartile:** Q2
Impact factor: 1.329	**Number of citations:** 4

Link to text: http://onlinelibrary.wiley.com/doi/10.1002/fld.1532/abstract

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Authors: Badia, S.; Quaini, A.; Quarteroni, A.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Splitting methods based on algebraic factorization for fluid-structure interaction
Journal (title, volume, first-last page): SIAM journal on scientific computing, vol. 30, no. 4, pp. 1778-1805

ISSN: 1064-8275	**Year:** 2008
Impact assessment agencies: JCR-Science Edition (2008)	**Quartile:** Q1
Impact factor: 1.157	**Number of citations:**

Link to text:

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Algebraic pressure segregation methods for the incompressible Navier-Stokes equations

Journal (title, volume, first-last page): Archives of computational methods in engineering, vol. 15, no. 3, pp. 1-52

ISSN: 1134-3060 | **Year:** 2007

Impact assessment agencies: JCR-Science Edition (2008) | **Quartile:** Q1

Impact factor: 2.227 | **Number of citations:**

Link to text: http://link.springer.com/article/10.1007%2FBF03024946

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On some fluid–structure iterative algorithms using pressure segregation methods: application to aeroelasticity

Journal (title, volume, first-last page): International journal for numerical methods in engineering, vol. 72, no. 1, pp. 46-71

ISSN: 0029-5981 | **Year:** 2007

Impact assessment agencies: JCR-Science Edition (2013) | **Quartile:** Q1

Impact factor: 1.961 | **Number of citations:** 16

Link to text: http://onlinelibrary.wiley.com/doi/10.1002/nme.1998/abstract

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Authors: Fish, J.; Nuggehally, M.; Shephard, M.; Picu, C.; Badia, S.; Parks, M.; Gunzburger, M.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Concurrent AtC coupling based on a blend of the continuum stress and the atomistic force

Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 196, no. 45-48, pp. 4548-4560

ISSN: 0045-7825 | **Year:** 2007

Impact assessment agencies: JCR-Science Edition (2007) | **Quartile:** Q1

Impact factor: 1.488 | **Number of citations:**

Link to text:

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Convergence analysis of the FEM approximation of the first order Projection method for incompressible flows with and without the inf-sup condition

Journal (title, volume, first-last page): Numerische mathematik, vol. 107, no. 4, pp. 533-557

ISSN: 0029-599X | **Year:** 2007

Impact assessment agencies: JCR-Science Edition (2013) | **Quartile:** Q1

Impact factor: 1.551 | **Number of citations:** 8

Link to text: http://link.springer.com/article/10.1007%2Fs00211-007-0099-5

Authors: Codina, R.; Principe, J.; Guasch, O.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Time dependent subscales in the stabilized finite element approximation of incompressible flow problems

Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 196, no. 21-24, pp. 2413-2430

ISSN: 0045-7825 | **Year:** 2007

Impact assessment agencies: JCR-Science Edition (2013) | **Quartile:** Q1

Impact factor: 2.626 | **Number of citations:** 64

Link to text: http://www.sciencedirect.com/science/article/pii/S0045782507000035

Authors: Badia, S.; Bochev, P.; Lehoucq , R.; Parks, M.; Fish, J.; Nuggehally, M.; Gunzburger, M.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: A force-based blending model for atomistic-to-continuum coupling
Journal (title, volume, first-last page): International journal for multiscale computational engineering, vol. 5, no. 5, pp. 387-406

ISSN: 1543-1649   **Year:** 2007

Impact assessment agencies: JCR-Science Edition (2007)   **Quartile:** Q2

Impact factor: 0.679   **Number of citations:** 24

Link to text:

Authors: Badia, S.; Codina, R.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: Analysis of a stabilized finite element approximation of the transient convection-diffusion equation using an ALE framework

Journal (title, volume, first-last page): SIAM journal on numerical analysis, vol. 44, no. 5, pp. 2159-2197

ISSN: 0036-1429   **Year:** 2006

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 1.69   **Number of citations:** 19

Link to text: http://epubs.siam.org/doi/abs/10.1137/050643532

Authors: Codina, R.; Badia, S.

Research groups : (MC)2 - Grup de Mecànica Computacional en Medis Continus

Title: On some pressure segregation methods of fractional-step type for the finite element approximation of incompressible flow problems
Journal (title, volume, first-last page): Computer methods in applied mechanics and engineering, vol. 195, no. 23-24, pp. 2900-2918

ISSN: 0045-7825   **Year:** 2006

Impact assessment agencies: JCR-Science Edition (2013)   **Quartile:** Q1

Impact factor: 2.626   **Number of citations:** 12

Link to text: http://www.sciencedirect.com/science/article/pii/S004578250500232X