

## VI. Produção vinculada a Teses e Dissertações - TOTAL = 77

OBS: os artigos listados constam da relação geral de artigos.

### Artigos completos publicados em periódicos - TOTAL = 33

1. A.J. Torii , A.A. Novotny , R.B. Santos . Robust Compliance Topology Optimization Based on the Topological Derivative Concept. International Journal for Numerical Methods in Engineering (Print), *JCR* v. 106, p. 889-903, n. 2016.
2. Alan Amad ; A.F.D. Loula ; A. A. Novotny . A New Method for Topology Design of Electromagnetic Antennas in Hyperthermia Therapy. Applied Mathematical Modelling *JCR*, 2016.
3. Blanco, P.J.; MÜLLER, L.O. ; WATANABE, S.M. ; Feijóo, R.A.. Computational modeling of blood flow steal phenomena caused by subclavian stenoses. Journal of Biomechanics *JCR*, v. 49, p. 1593-1600, 2016.
4. BLANCO, P. J.; ARES, GONZALO D. ; URQUIZA, SANTIAGO A. ; FEIJÓO, RAÚL A.. On the effect of preload and pre-stretch on hemodynamic simulations: an integrative approach. Biomechanics and Modeling in Mechanobiology *JCR*, v. 15, p. 593-627, 2016.
5. BOTELHO, ANA M. N. ; COSTA, MAIANA O. C. ; BELTRAME, CRISTIANA O. ; FERREIRA, FABIENNE A. ; CÔRTEZ, MARINA F. ; BANDEIRA, PAULA T. ; LIMA, NICHOLAS C. B. ; Souza, Rangel C. ; Almeida, Luiz G. P. ; VASCONCELOS, ANA T. R. ; Nicolás, Marisa F. ; FIGUEIREDO, AGNES M. S. . Complete genome sequence of an agr-dysfunctional variant of the ST239 lineage of the methicillin-resistant *Staphylococcus aureus* strain GV69 from Brazil. Standards in Genomic Sciences *JCR*, v. 11, p. 34, 2016.
6. BULANT, CARLOS A. , BLANCO, PABLO J. , PEREIRA, ALEXANDRE , LIMA, THAIS P. , ASSUNÇÃO, ANTONILDES N. , LIBERATO, GABRIELA , BEZERRA, CRISTIANO G. , PARGA, JOSE R. , ÁVILA, LUIZ F. , FEIJÓO, RAÚL A. . et al. On the search of arterial geometry heritability. International Journal of Cardiology (Print), *JCR* v. 221, p. 1013-1021, n. 2016.
7. CESCHI, M. A. , COSTA, J. S. , LOPES, J. P. B. , CAMARA, V. S. , CAMPO, L. F. , BORGES, A. C. A. , GONCALVES, C. A. S. , SOUZA, D. F. , KONRATH, E. L. , KARL, A. L. M. . Guedes, I.A. ; Dardenne, L.E. Novel series of tacrine-tianeptine hybrids: Synthesis, cholinesterase inhibitory activity, S100B secretion and a molecular modeling approach. European Journal of Medicinal Chemistry, *JCR* v.121, p. 758-772 2016.
8. C.G. Lopes ; A. A. Novotny . Topology Design of Compliant Mechanisms Subject to Stress Constraints. Structural and Multidisciplinary Optimization (Print) *JCR*, 2016.
9. COSTA, MICHEL ISKIN DA S.; ESTEVES, PEDRO V. ; BIANCO FARIA, LUCAS DEL ; DOS ANJOS, LUCAS . Coexistence of multiple attractors in the coupling of an exploitative and an omnivorous food web. Ecological Complexity (Print) *JCR*, v. 26, p. 1-5, 2016.
10. de Vasconcelos, A. T. R. , Siqueira, F. M., de Moraes, G. L., Higashi, S., Beier, L. S., Breyer, G. M., Godinho, C. P. S., Sagot, M., Schrank, I. S., Zaha, A; 'Mycoplasma non-coding RNA: identification of small RNAs and targets'; DOI: 10.1186/s12864-016-3061-z; BMC Genomics; Vol: 17; No: 8; Pág: 743; 2016; Disponível em: <http://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-016-3061-z>
11. de Vasconcelos, A. T. R. , Botelho, A. M., Costa, M. O. C. E., Beltrame, C. O., Ferreira, F. A., Lima, N. C. B., Costa, B. S. S., de Moraes, G. L., Souza, R. C. , de Almeida, L.G.P., Nicolás, M. F., Figueiredo, A. M. S.; 'Complete genome sequence of the MRSA isolate HC1335 from ST239 lineage displaying a truncated AgrC histidine kinase receptor '; DOI: 10.1093/gbe/evw225; Genome biology and evolution; 2016; Disponível em: <http://gbe.oxfordjournals.org/content/early/2016/09/14/gbe.ev225.long>
12. DEFELIPE, LUCAS A. , DO PORTO, DARIO FERNÁNDEZ , PEREIRA RAMOS, PABLO IVAN , NICOLÁS, MARISA FABIANA , SOSA, EZEQUIEL , RADUSKY, LEANDRO , LANZAROTTI, ESTEBAN , TURJANSKI, ADRIÁN G. , MARTI, MARCELO A. . A whole

- genome bioinformatic approach to determine potential latent phase specific targets in Mycobacterium tuberculosis. Tuberculosis (Edinburgh), *JCR* v. 97, p. 181-192, n. 2016.
13. DOS ANJOS, L , COSTA, M. I. S. . The interplay among Allee effects, omnivory and inundative releases in a pest biological control model. *Biological Control (Print)*, v. 103, p. 230-239, n. 2016.
  14. FERREIRA, ANDREY , NOVOTNY, ANTONIO , SOKO'OWSKI, JAN . TOPOLOGICAL DERIVATIVE METHOD FOR ELECTRICAL IMPEDANCE TOMOGRAPHY PROBLEMS. *Informatics, Control, Measurement in Economy and Environment Protection*, v. 6, p. 4-8, n. 2016.
  15. FREITAS, MICHELE C. R. DE , RESENDE, JULIANA A. , FERREIRA-MACHADO, ALESSANDRA B. , SAJI, GUADALUPE D. R. Q. , VASCONCELOS, ANA T. R. DE , SILVA, VÂNIA L. DA , NICOLÁS, MARISA F. , DINIZ, CLÁUDIO G. . Exploratory Investigation of *Bacteroides fragilis* Transcriptional Response during In vitro Exposure to Subinhibitory Concentration of Metronidazole. *Frontiers in Microbiology (Online)*, *JCR* v. 7, p. 1465-, n. 2016.
  16. GONÇALVES, B. , PORTO, F. . A note on the complexity of the causal ordering problem. *ARTIFICIAL INTELLIGENCE*, *JCR* v. 238, p. 154-165, n. 2016.
  17. GUEDES, ISABELLA A. ; FREITAS, ROSANA H. C. N. ; CORDEIRO, NATÁLIA M. ; NASCIMENTO, THAÍS S. DO ; VALERIO, TAYNA S. ; FERNANDES, PATRÍCIA D. ; DARDENNE, LAURENT E. ; FRAGA, CARLOS A. M. . LASSBio-1829 Hydrochloride: Development of a New Orally Active N -Acyldiazirone IKK2 Inhibitor with Anti-inflammatory Properties. *Chemmedchem (Print)* *JCR*, v. 11, p. 234-244, 2016.
  18. LE, TIEN DUNG; MURAD, MÁRCIO A.; PEREIRA, PATRÍCIA A.. A New Matrix/Fracture Multiscale Coupled Model for Flow in Shale-Gas Reservoirs. *SPE Journal (Society of Petroleum Engineers (U.S.))*. 1996), 2016.
  19. LIMA, E. A. B. F. , ODEN, J. T. , YANKEELOV, T. E. , II, D. A. H. , ALMEIDA, R. C. . Selection, calibration, and validation of models of tumor growth. *Mathematical Models and Methods in Applied Sciences*, *JCR* v. 26, p. 2341-2368, n. 2016.
  20. LUSTOSA, H. L. S. , PORTO, F , BLANCO, P. J. , VALDURIEZ, P. . Database System Support of Simulation Data. *Proceedings of the VLDB Endowment*, v. 9, p. 1329-1340, n. 2016.
  21. MACHADO, THIAGO J. , ANGELO, JAQUELINE S. , NOVOTNY, ANTONIO A. . A new one-shot pointwise source reconstruction method. *Mathematical Methods in the Applied Sciences* v. 39, p. 1-15, 2016.
  22. MOQADAM, JALIL KHATIBI , WELTER, GUILHERME S. , ESQUEF, PAULO A. A. . Multifractality in fidelity sequences of optimized Toffoli gates. *Quantum Information Processing (Dordrecht. Online)*, *JCR* v. 15, p. 4501-4520, n. 2016.
  23. Muller, L. O., Blanco, P. J., Watanabe, S., Feijóo, R. A.; 'A high-order local time stepping finite volume solver for one-dimensional blood flow simulations: application to the ADAN model'; *International Journal for Numerical Methods in Biomedical Engineering*; Vol: 32; Pág: e02761; 2016.
  24. Novotny, A. A. , SALES, V. . Energy change to insertion of inclusions associated with a diffusive/convective steady-state heat conduction problem. *Mathematical Methods in the Applied Sciences*, *JCR* v. 39, p. 1233-1240, n. 2016.
  25. NUNEZ, Y. R. ; FARIA, CRISTIANE O. ; LOULA, A.F.D. ; MALTA, Sandra Mara Cardoso . Um método híbrido de elementos finitos aplicado a deslocamentos miscíveis em meios porosos heterogêneos. *Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería* *JCR*, p. 1-7, 2016.
  26. Portugal, R.; SANTOS, R. A. M. ; FERNANDES, T. D. ; GONÇALVES, D. N. . The staggered quantum walk model. *Quantum Information Processing (Print)* *JCR*, v. 15, p. 85-101, 2016.
  27. RAMOS, Pablo Ivan Pereira , CUSTÓDIO, MÁRLON GRÉGORI FLORES , QUISPE SAJI, GUADALUPE DEL ROSARIO , CARDOSO, THIAGO , DA SILVA, GISELE LUCCHETTI , BRAUN, GRAZIELA , MARTINS, WILLAMES M. B. S. , GIRARDELLO, RAQUEL , DE VASCONCELOS, ANA TEREZA RIBEIRO , FERNÁNDEZ, ELMER . et al. The polymyxin B-induced transcriptomic response of a clinical, multidrug-resistant *Klebsiella pneumoniae*

- involves multiple regulatory elements and intracellular targets. *BMC Genomics*, **JCR v. 17**, p. 737-, n. 2016.
28. RAMUNDO, M. S. ; BELTRAME, C. O. ; BOTELHO, A. M. N. ; COELHO, L. R. ; SILVA-CARVALHO, M. C. ; FERREIRA-CARVALHO, B. T. ; NICOLAS, M. F. ; Guedes, I.A. ; Dardenne, L.E. ; O?GARA, J. ; FIGUEIREDO, A. M. S. . A unique SaeS allele overrides cell-density dependent expression of saeR and lukSF-PV in the ST30-SCCmecIV lineage of CA-MRSA. *International Journal of Medical Microbiology (Print) JCR*, v. 1, p. 1-10, 2016.
  29. ROCHA, ALINE C. ; MURAD, MARCIO A. ; MOYNE, Christian ; Oliveira, Saulo P. ; LE, TIEN D. . A new methodology for computing ionic profiles and disjoining pressure in swelling porous media. *Computational Geosciences (Amsterdam) JCR*, v. 1, p. 1-1, 2016.
  30. SANTOS, MARCOS DOS , FERNANDES, M. C. , SANTOS, F. M. C. , DIAS, FABRÍCIO DA COSTA , ALMEIDA, J. J. , AGNER JÚNIOR, J. . An approach of TRIZ methodology with inventive solutions for toys used by children with special needs based on the requirements of quality house (QFD).. *IOSR Journal of Engineering*, v. 06, p. 45-50, n. 2016.
  31. SANTOS, RAQUELINE A. M. . Szegedy's quantum walk with queries. *Quantum Information Processing (Print)*, **JCR v. 11**, p. 4461-4475, n. 2016.
  32. TRENHAGO, PAULO ROBERTO ; FERNANDES, LUCIANO GONÇALVES ; MÜLLER, LUCAS OMAR ; Blanco, Pablo Javier ; FEIJÓO, RAÚL ANTONINO . An integrated mathematical model of the cardiovascular and respiratory systems. *International Journal for Numerical Methods in Biomedical Engineering (Print) JCR*, v. 32, p. e02736, 2016.
  33. WEHMUTH, K. , FLEURY, E. , ZIVIANI, A. . On MultiAspect graphs. *Theoretical Computer Science*, **JCR v. 651**, p. 50-61, n. 2016.

#### **Trabalhos completos publicados em anais de congressos - TOTAL = 33**

1. AMAD, A. A. S.; IGREJA, I. H. A.; QUINELATO, T. O.; LOULA, A. F. D.. A STABILIZED HYBRID MIXED FINITE ELEMENT METHOD TO SOLVE THE ACOUSTIC/ELASTIC FLUID-SOLID INTERACTION. In: ECCOMAS Congres - VII European Congress on Computational Methods in Applied Sciences and Engineering, 2016, Crete Island. Conference Proceedings. 2016.
2. Amad; T. Quinelato; A.F.D. Loula; A. A. Novotny. Stabilized hybrid method to solve time-harmonic wave problems. In: ICOSAHOM2016, 2016, Rio de Janeiro. Anais do ICOSAHOM2016. 2016. 8
3. BARREIRO, D. S.; KARAM-FILHO, J.; FARIA, C. O.. Análise de Estabilidade para uma Formulação Semi-Discreta Híbrida Estabilizada Aplicada ao Problema do Calor. In: Congresso Nacional de matemática Aplicada e Computacional, 2016, Gramado. Proceeding Series of the Computational and Applied Mathematics - XXXVI CNMAC. SP: SBMAC, 2016. v. 1. p. 1 - 7
4. BARREIRO, D. S.; KARAM-FILHO, J.; FARIA, C. O.. Análise Numérica para uma Formulação Primal Híbrida Aplicada ao Problema de Condução de Calor. In: X-Enama- Encontro Nacional de Análise Matemática e Aplicações, 2016, Niterói. Anais do X-Enama, SBMAC, 2016. v. 1. p. 63. –
5. BARRETO, A. M. S.; BEIRIGO, R. L. ; PINEAU, J. ; PRECUP, D. . Incremental Stochastic Factorization for Online Reinforcement Learning. In: AAAI Conference on Artificial Intelligence, 2016, Phoenix. Proceedings of the AAAI Conference on Artificial Intelligence, 2016. v. 1.
6. C. C. Graciani Rodrigues; M. G. Todorov; M. D. Fragoso. H-infinity Control for Continuous-Time Markov Jump Linear Systems with Partial Mode Information. In: XXI Congresso Brasileiro de Automática, Vitória/ ES. Congresso Brasileiro de Automática (CBA).
7. C. C. Graciani Rodrigues; M. G. Todorov; M. D. Fragoso. H-infinity Filtering for Markovian Jump Linear Systems with Mode Partial Information. In: IEEE 55th Annual Conference on Decision and Control (CDC), 2016, Las Vegas. 55th IEEE Conference on Decision and Control. 2016.

8. C.G. Lopes; R.B. Santos; A. A. Novotny; J. Sokolowski. Topological sensitivity analysis for contact problems in elasticity with given friction. In: EngOpt2016, 2016, Foz do Iguaçu. Anais do EngOpt2016. 2016.
9. C.G. Lopes; R.B. Santos; A. A. Novotny; J. Sokolowski. Análise de sensibilidade topológica para problemas de contato com atrito dado. In: CNMAC2016, 2016, Gramado. Anais do CNMAC2016. 2016.
10. FERRO, M.; NICOLÁS, Marisa Fabiana; SAJI, G. R. Q.; MURY, A. R.; SCHULZE, B.. Leveraging High Performance Computing for Bioinformatics: A Methodology that Enables a Reliable Decision-Making. In: 2016 16th IEEE/ACM International Symposium on Cluster, Cloud, and Grid Computing (CCGrid-2016), 2016, Cartagena, Colombia. Proceedings of 2016 16th IEEE/ACM International Symposium on Cluster, Cloud, and Grid Computing. 2016. p. 684 - 692
11. FILISBINO, T. A.; C.E. Thomaz; GIRALDI, G. A.. Ranking Principal Components in Face Spaces Through AdaBoost.M2 Linear Ensemble. In: Brazilian Symposium on Computer Graphics and Image Processing (SIBGRAPI), 2016, São José dos Campos. Proceedings of the Sibgrapi 2016. Conference Publishing Services (CPS), 2016. p. 1 - 8
12. FILISBINO, T. A.; C.E. Thomaz; GIRALDI, G. A.. Approaches for Multi-Class Discriminant Analysis for Ranking Principal Components. In: XII Workshop de Visao Computacional (WVC), 2016, Campo Grande (MS). Anais do WVC 2016. 2016. p. 1 - 6
13. FILISBINO, T. A.; GIRALDI, G. A.; C.E. Thomaz. Tensor Fields for Multilinear Image Representation and Statistical Learning Models Applications. In: Sibgrapi 2016, 2016, São José dos Campos (SP). Tutoriais do Sibgrapi 2016 (Survey Paper). 2016.
14. GERALDO J B DOS SANTOS; ABIMAEL F D LOULA; ANTONIO J B DOS SANTOS. A Stabilized Hybrid-Mixed Finite Element Formulation for the Elasticity Problems. In: XXXVI Congresso Nacional de Matemática Aplicada e Computacional, 2016, Gramado. Proceeding Series of the Brazilian Society of Computational and Applied Mathematics. 2016.
15. GONÇALVES, B.. Show me the material evidence --- Initial experiments on evaluating hypotheses from user-generated multimedia data. In: 1st Workshop on Multimedia Support for Decision-Making Processes, at IEEE ISM'16, 2016, San Jose. IEEE Proc. of the 1st Workshop on Multimedia Support for Decision-Making Processes, at IEEE Intl. Symposium on Multimedia (ISM'16). 2016.
16. JULIANO D B SANTOS; ABIMAEL F D LOULA; GERALDO J B DOS SANTOS. Geração de aproximações de diferenças finitas em malhas não-uniformes para as EDPs de Laplace e Helmholtz. In: XXXVI Congresso Nacional de Matemática Aplicada e Computacional, 2016, Gramado. Proceeding Series of the Brazilian Society of Computational and Applied Mathematics. 2016.
17. KNEIPP, W. F.; AMAD, A. A. S.; NOVOTNY, A. A.. Problema inverso de reconstrução de fonte concentrada para a equação de Helmholtz. In: CNMAC Congresso Nacional de Matemática Aplicada e Computacional, 2016, Gramado. Proceeding Series of the Brazilian Society of Computational and Applied Mathematics. 2016.
18. MONDELLI, M. L. B.; GALHEIGO, M. M.; MEDEIROS, V.; BASTOS, B. F.; GOMES, A. T. A.; MATTOSO, M. L. Q.; VASCONCELOS, A. T. R.; GADELHA JUNIOR, L. M. R.. Integrating Scientific Workflows with Scientific Gateways: A Bioinformatics Experiment in the Brazilian National High-Performance Computing Network. In: X Brazilian e-Science Workshop, 2016, Porto Alegre. Anais do XXXVI Congresso da Sociedade Brasileira de Computação. 2016. p. 277 - 284
19. MONDELLI, M. L. B.; TONELLI, M.; OCANA, K. A. C. S.; VASCONCELOS, A. T. R.; GADELHA JUNIOR, L. M. R.. HPSW-Prof: A Provenance-Based Framework for Profiling High Performance Scientific Workflows. In: 31st Brazilian Symposium on Databases (SBBD), 2016, Salvador. Proceedings of Satellite Events of the 31st Brazilian Symposium on Databases (SBBD 2016). 2016. p. 117 - 122
20. PEREIRA, W.; Valentin, F.. A Locking-Free MHM Method for Elasticity. In: XXXVI CNMAC, 2016, Gramado. XXXVI CNMAC. 2016.

21. R.B. Santos; A.J. Torii; A. A. Novotny. Reliability Based Structural Topology Optimization Subject to Stress Constraints. In: EngOpt2016, 2016, Foz do Iguaçu. Anais do EngOpt2016. 2016.
22. R.B. Santos; A.J. Torii; A. A. Novotny. Otimização Topológica Estrutural Baseada em Confiabilidade com Restrição em Tensão Utilizando o Conceito de Derivada Topológica. In: CNMAC2016, 2016, Gramado. Anais do CNMAC2016. 2016.
23. RESENDE, A. C. M.; Almeida, Regina C.; LIMA, E. A. B. F.. Sensitivity Analysis as a Tool to Build Tumor Growth Models. In: XXXVI Congresso Nacional de Matemática Aplicada e Computacional - CNMAC2016, 2016, Gramado. Proceeding Series of the Brazilian Society of Computational and Applied Mathematics. 2016.
24. ROCHA, A.C.; MURAD, M.A.; PIRES, A.P.; VICENTE, B.J.; GARCIA, E.L.M.. A New Model for Flow in Shale-gas Reservoirs including Natural and Hydraulic Fractures - Application to Well Tests. In: ECMOR XV 15th European Conference on the Mathematics of Oil Recovery, 2016, Amsterdam. 2016.
25. ROCHA, GREGÓRIO KAPPAUN; CUSTÓDIO, FÁBIO LIMA; BARBOSA, HELIO J.C.; DARDENNE, LAURENT EMMANUEL. Using Crowding-Distance in a Multiobjective Genetic Algorithm for Protein Structure Prediction. In: the 2016, Denver. Proceedings of the 2016 on Genetic and Evolutionary Computation Conference Companion - GECCO '16 Companion. New York: ACM Press, p. 1285
26. ROCHA, H. L.; Almeida, R. C.; LIMA, E. A. B. F.. Modelo Híbrido para o Crescimento Tumoral do Carcinoma Avascular. In: XXXVI Congresso Nacional de Matemática Aplicada e Computacional - CNMAC2016, 2016, Gramado. Proceeding Series of the Brazilian Society of Computational and Applied Mathematics. 2016.
27. ROSALINO JR., E. ; SILVA, A. J.; LEAO, D. ; Baczynski, J. . Barrier Options with Time Dependent Parameters in the Dynamics. In: 16º Encontro Brasileiro de Finanças, 2016, Rio de Janeiro. Anais do 16º Encontro Brasileiro de Finanças, 2016.
28. Silva, Gabrieli D.; KLOH, V. P.; FERRO, M.; SCHULZE, B.. Abordagens de Monitoramento de Desempenho em Apoio a Pesquisa Científica. In: XVII Simpósio em Sistemas Computacionais de Alto Desempenho, 2016, Aracaju. Anais do XVII Simpósio em Sistemas Computacionais de Alto Desempenho. Bento Gonçalves - RS: Sociedade Brasileira de Computação (SBC), 2016. p. 74 – 79.
29. Silva, D. N. R.; WEHMUTH, KLAUS; Ostoff, C.; Appel, A. P.; ZIVIANI, A.. Análise de Desempenho de Plataformas de Processamento de Grafos. In: XXXI Simpósio Brasileiro de Banco de Dados - SBBD'2016, 2016, Salvador, BA. Anais do XXXI Simpósio Brasileiro de Banco de Dados - SBBD'2016. 2016.
30. Vilasboas F.; Osthoff, C; VASCONCELOS, A. T.; TRELLES, O.; OCANA, K.. Desenvolvimento de um algoritmo paralelo para contabilização da repetição de k-mers. In: II Escola Regional de Alto Desempenho do Rio de Janeiro -, 2016, Rio de Janeiro. II Escola Regional de Alto Desempenho do Rio de Janeiro -. Rio de Janeiro: UERJ, 2016.
31. VOLPATTO, D. T.; MURAD, M. A.; GARCIA, E. L. M.; PEREIRA, P. A.; OBREGON, J. A. L.; ROCHA, A. C.. MODELAGEM COMPUTACIONAL HIDRO-GEOMECÂNICA DE RESERVATÓRIOS NÃO-CONVENCIONAIS DE GÁS. In: Rio Oil & Gas, 2016, Rio de Janeiro. Rio Oil & Gas Expo and Conference 2016. 2016.
32. XAVIER, M.; A. A. Novotny. Topology Optimization of Structures Subject to Pressure Loading. In: EngOpt2016, 2016, Foz do Iguaçu. Anais do EngOpt2016. 2016.
33. XAVIER, M.; A. A. Novotny. Análise de Sensibilidade Topológica no Processo de Fraturamento Hidráulico Tridimensional. In: CNMAC2016, 2016, Gramado. Anais do CNMAC2016. 2016.

**Artigos aceitos para publicação TOTAL = 8**

1. Amad; A.F.D. Loula; A. A. Novotny. A New Method for Topology Design of Electromagnetic Antennas in Hyperthermia Therapy. Applied Mathematical Modelling, 2016.

2. BOTELHO, A. M. N.; Costa, Maiana O C; BELTRAME, C. O.; Ferreira F A; Lima C B N; MORAES, G. L.; Souza, Rangel C; DE PAULA, L. G.; VASCONCELOS, A. T. R.; Nicolas, M. F.; Figueiredo Agnes M S. Complete genome sequence of the MRSA isolate HC1335 from ST239 lineage displaying a truncated AgrC histidine kinase receptor. *Genome Biology and Evolution*, 2016.
3. BULANT, C. A.; BLANCO, P. J.; LIMA, T. P.; ASSUNÇÃO, A. N.; LIBERATO, G.; PARGA, J. R.; ÁVILA, L. F. R.; PEREIRA, A. C.; FEIJÓO, R. A.; LEMOS, P. A. A computational framework to characterize and compare the geometry of coronary networks. *International Journal for Numerical Methods in Biomedical Engineering (Print)*, 2016.
4. GRACIANI RODRIGUES, C. C.; TODOROV, M.G.; FRAGOSO, M D. H-infinity Control of Continuous-time Markov Jump Linear Systems with Detector-based Mode Information. *International Journal of Control*, 2017.
5. MANSILLA, LUIS ALVAREZ; BLANCO, PABLO J; BULANT, CARLOS A; DARI, ENZO A; VENEZIANI, ALESSANDRO; FEIJOO, R. A. Transversally Enriched Pipe Element Method (TEPEM). An effective numerical approach for blood flow modeling. *International Journal for Numerical Methods in Biomedical Engineering (Print)*, 2016.
6. MASO TALOU, GONZALO D.; BLANCO, PABLO J.; LARRABIDE, IGNACIO; GUEDES BEZERRA, CRISTIANO; LEMOS, PEDRO A.; FEIJOO, RAUL A. Registration Methods for IVUS: Transversal and Longitudinal Transducer Motion Compensation. *IEEE Transactions on Biomedical Engineering (Print)*, 2016.
7. Ramos Pereira P I; Custódio MGF; QUISPE SAJI, G; CARDOSO, T.; LUCCHETTI, G.; BRAUN, G.; MARTINS, W. B.; Girardello R; VASCONCELOS, A. T. R.; FERNANDEZ, E.; GALES, A C; Nicolas, M. F. The polymyxin B-induced transcriptomic response of a clinical, multidrug-resistant *Klebsiella pneumoniae* involves multiple regulatory elements and intracellular targets. *BMC Genomics*, 2016.
8. ROCHA, S.; A.A. Novotny. Obstacles Reconstruction from Partial Boundary Measurements Based on the Topological Derivative Concept. *Structural and Multidisciplinary Optimization (Print)*, 2017.

**Capítulos de livros TOTAL = 3**

1. LE, T. D.; ROCHA, A. C.; MURAD, M. A.; MOYNE, C.; OLIVEIRA, S. P. Multiscale Contaminant Transport in Swelling Clays Incorporating Ion-Ion Correlation Effects. In: John H. Cushman, Daniel M. Tartakovsky (Org.). *The Handbook of Groundwater Engineering*. 3ed. CRC Press, 2016, p.413-441
2. ROCHA, A. A. A. ; SAMPAIO, L. N. ; VIEIRA, A. B. ; WEHMUTH, K. ; ZIVIANI, A. . Revisitando Metrologia de Redes: Do Passado às Novas Tendências. In: Frank Siqueira; Lau Cheuk Lung; Fabíola Greve; Allan Freitas. (Org.). *Livro de Minicursos do XXXIV Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos - SBRC 2016*. 1ed.: SBC, 2016, v. , p. 151-209.
3. SILVA, Leandro. T. ; GIRALDI, G. A. . Fluid Flow Summarization Technique for Computational Fluid Dynamics Analysis. In: Gretchen Powell. (Org.). *Computational Fluid Dynamics (CFD): Characteristics, Applications and Analysis*. 1ed. Hauppauge: NOVA SCIENCE PUBLISHERS, INC., 2016, v. 1, p. 1-44.