







1. Baowan D*, Hill JM. Mathematical modeling of interaction energies between nanoscale objects: A review of nanotechnology applications. [Adv Mech Eng 2016;8\(11\):1-16.](#)
(Review)
Department : Mathematics
Author's Status : Academic Staff
Journal Name : Advances in Mechanical Engineering / Publisher : SAGE
Journal Metrics : Indexed in WOS : Impact Factor = 0.640 / Category : Engineering, Mechanical (with median IF = 1.091) - Q4
Indexed in Scopus : h indexed = 14 / SNIP = 0.490 / SJR = 0.255 / Category : [Mechanical Engineering](#) 
2. Boonrangsiman S, Bunwong K*, Moore EJ. A bifurcation path to chaos in a time-delay fisheries predator–prey model with prey consumption by immature and mature predators. [Math Comput Simul 2016 Jun;124:16-29.](#)
Department : Mathematics
Author's Status : Academic Staff, Adjunct Researcher
Journal Name : Mathematics and Computers in Simulation / Publisher : Elsevier
Journal Metrics : Indexed in WOS : Impact Factor = 1.124 / Category : Mathematics, Applied (with median IF = 0.801) - Q2
Indexed in Scopus : h indexed = 54 / SNIP = 1.072 / SJR = 0.677 / Category : [Computer Science \(miscellaneous\)](#) 
3. Bosuwan N*. On Montessus de Ballore's theorem for nonlinear Padé-orthogonal approximants. [Jaen J Approx 2016;8\(2\):151-73.](#)
Department : Mathematics
Author's Status : Academic Staff
Journal Name : Jaen Journal on Approximation / Publisher : Universidad de Jaen Campus Las Lagunillas
Indexed in Scopus : h indexed = 5 / SNIP = 0.796 / SJR = 1.189 / Category : [Numerical Analysis](#) 
4. Chamchod F, Cosner C, Cantrell RS, Beier JC, Ruan S*. Transmission dynamics of Rift Valley fever virus: Effects of live and killed vaccines on epizootic outbreaks and enzootic maintenance. [Front Microbiol 2016 Feb 1;6:1568.](#)
Department : Mathematics
Author's Status : Academic Staff
Journal Name : Frontiers in Microbiology / Publisher : Frontiers Media 
Journal Metrics : Indexed in WOS : Impact Factor = 4.165 / Category : Microbiology (with median IF = 2.483) - Q1
Indexed in Scopus : h indexed = 41 / SNIP = 1.071 / SJR = 1.970 / Category : [Microbiology \(medical\)](#) 
Notes : Gold OA
Beall's List : Publisher
5. Chaowicharat E*, Naruedomkul K, Cercone N. Direction histogram: novel discriminative global feature for Thai offline handwritten OCR. [Pattern Anal Appl 2016 Nov;19\(4\):1069-80.](#)
Department : Mathematics
Author's Status : Academic Staff, Ph.D. Student
Journal Name : Pattern Analysis and Applications / Publisher : Springer
Journal Metrics : Indexed in WOS : Impact Factor = 1.104 / Category : Computer Science, Artificial Intelligence (with median IF = 1.403) - Q3

Indexed in Scopus : h indexed = 40 / SJR = 0.469 / Category : [Computer Vision and Pattern Recognition](#) 

6. Charoenloedmongkhon A, Wiwatanapataphee B, Sawangtong W*, Khajohnsaksumeth N, Giannini L. Numerical simulation of air-bulk solid flows in a silo with inserts. [Adv Appl Fluid Mech 2016;19\(3\):643-67.](#)

Department : Mathematics

Author's Status : Academic Staff, Ph.D. Student

Journal Name : Advances and Applications in Fluid Mechanics / Publisher : Pushpa Publishing

Indexed in Scopus : h indexed = 10 / SJR = 0.123 / Category : [Mechanical](#)


[Engineering](#) 

Beall's List : Publisher

7. Chimmalee B, Sawangtong W*, Wiwatanapataphee B. The effects of community interactions and quarantine on a complex network. [Cogent Math 2016;3\(1\):1249141.](#)

Department : Mathematics

Author's Status : Academic Staff, Ph.D. Student

Journal Name : Cogent Mathematics / Publisher : Taylor & Francis 

Journal Metrics : Indexed in WOS

Notes : Gold OA

8. Chuchard P, Tamagawa M, Orankitjaroen S. Finite difference method for electro-osmotic flow and its convergence. [ICIC Express Lett 2016;10\(11\):2773-8.](#)

Department : Mathematics

Author's Status : Academic Staff, Ph.D. Student

Journal Name : ICIC Express Letters / Publisher : Institute of Electrical and Electronics Engineers

Indexed in Scopus : h indexed = 18 / SNIP = 0.246 / SJR = 0.198 / Category : [Computer](#)

[Science \(miscellaneous\)](#) 

9. Daridon L*, Licht C, Orankitjaroen S, Pagano S. Periodic homogenization for Kelvin-Voigt viscoelastic media with a Kelvin-Voigt viscoelastic interphase. [Eur J Mech A Solids 2016;163-71.](#)


Department : Mathematics

Author's Status : Academic Staff, Adjunct Staff

Journal Name : European Journal of Mechanics A-Solids / Publisher : Elsevier

Journal Metrics : Indexed in WOS : Impact Factor = 2.453 / Category : Mechanics (with median IF = 1.389) - Q1

Indexed in Scopus : h indexed = 62 / SNIP = 1.577 / SJR = 1.536 / Category


: [Mechanical Engineering](#) 

Notes : Top 10% (SJR)

10. Ding G*, Lewchalermvongs C, Maharry J. Graphs with no P_7 -minor. [Electron J Comb 2016;23\(2\):16.](#)

Department : Mathematics

Author's Status : Academic Staff

Journal Name : Electronic Journal of Combinatorics / Publisher : Electronic Journal of Combinatorics 

Journal Metrics : Indexed in WOS : Impact Factor = 0.612 / Category : Mathematics (with median IF = 0.613) - Q3


Indexed in Scopus : h indexed = 32 / SNIP = 0.832 / SJR = 0.908 / Category : [Theoretical](#)

[Computer Science](#) 

11. Dinh HQ*, Nguyen BT, Sriboonchitta S. Skew constacyclic codes over finite fields and finite chain rings. [Math Prob Eng 2016;2016:3965789. \(Review\)](#)

Department : Mathematics

Author's Status : Ph.D. Student





Journal Name : Mathematical Problems in Engineering / Publisher : Hindawi Publishing 

Journal Metrics : Indexed in WOS : Impact Factor = 0.644 / Category : Engineering, Multidisciplinary (with median IF = 1.000) - Q3

Indexed in Scopus : h indexed = 34 / SNIP = 0.475 / SJR = 0.285 / Category

: [Engineering \(miscellaneous\)](#) 

Notes : Gold OA

12. Licht C, Orankitjaroen S, Khaouad AO, Weller T*. Transient response of elastic bodies connected by a thin stiff viscoelastic layer with evanescent mass. [Comptes Rendus Mecanique 2016;344\(10\):736-43.](#)
Department : Mathematics
Author's Status : Academic Staff, Adjunct Researcher
Journal Name : Comptes Rendus Mecanique / Publisher : Elsevier
Journal Metrics : Indexed in WOS : Impact Factor = 0.988 / Category : Mechanics (with median IF = 1.389) - Q3
Indexed in Scopus : h indexed = 32 / SJR = 0.633 / Category : [Materials Science \(miscellaneous\)](#) 
13. Lomthong P*, Huabsomboon P, Tamagawa M. Development of level set in image segmentation with the portable extensible toolkit for scientific computation. [J Med Imaging Health Informatics 2016;6\(6\):1519-25.](#)
Department : Mathematics
Author's Status : Academic Staff, Ph.D. Student
Journal Name : Journal of Medical Imaging and Health Informatics / Publisher : American Scientific Publishers
Journal Metrics : Indexed in WOS : Impact Factor = 0.877 / Category : Mathematical & Computational Biology (with median IF = 1.467) - Q4
Indexed in Scopus : h indexed = 8 / SJR = 0.168 / Category : [Radiology, Nuclear Medicine and Imaging](#) 
Beall's List : Publisher
14. Lomthong P, Huabsomboon P, Tamagawa M. Image segmentation using fast implementation of level set without re-initialization. [ICIC Express Lett Part B Appl 2016;7\(1\):23-29.](#)
Department : Mathematics
Author's Status : Academic Staff
Journal Name : ICIC Express Letters, Part B: Applications / Publisher : Institute of Electrical and Electronics Engineers
Indexed in Scopus : h indexed = 9 / SNIP = 0.317 / SJR = 0.194 / Category : [Computer Science \(miscellaneous\)](#) 
15. Moonchai S, Lenbury Y*. Investigating combined drug and plasma apheresis therapy of HIV infection by double compartment cellular automata simulation. [Int J Computer Theory Eng 2016;8\(3\):190-197.](#)
Department : Mathematics
Author's Status : Academic Staff
Journal Name : International Journal of Computer Theory and Engineering / Publisher : International Journal of Computer Theory and Engineering
Journal Metrics : Indexed in INSPEC
16. Numpanviwat N, Huabsomboon P, Tamagawa M. Fast computer simulation method of thrombus formation on pipe orifice flow. [ICIC Express Lett Part B Appl 2016;7\(8\):1821-6.](#)
Department : Mathematics
Author's Status : Academic Staff, Ph.D. Student
Journal Name : ICIC Express Letters, Part B: Applications / Publisher : Institute of Electrical and Electronics Engineers
Indexed in Scopus : h indexed = 9 / SNIP = 0.317 / SJR = 0.194 / Category : [Computer Science \(miscellaneous\)](#) 
17. Pasom P, Cuntavepanit A*. On the strong and Δ -convergence of nsp-iteration on CAT(0) spaces. [Thai J Math 2016;14\(2\):341-51.](#)

Department : Mathematics

Author's Status : Academic Staff

Journal Name : Thai Journal of Mathematics / Publisher : Chiang Mai University

Indexed in Scopus : h indexed = 8 / SJR = 0.182 / Category : [Mathematics](#)

(miscellaneous) 

18. Putthikorn S, Baowan D*. Mathematical model for drug molecules encapsulated in lipid nanotube. [Phys A 2016;461:46-60](#).

Department : Mathematics

Author's Status : Academic Staff, M.Sc. Student

Journal Name : Physica A-Statistical Mechanics and its Applications / Publisher : Elsevier

Journal Metrics : Indexed in WOS : Impact Factor = 1.785 / Category : Physics,

Multidisciplinary (with median IF = 1.194) - Q2

Indexed in Scopus : h indexed = 115 / SJR = 0.738 / Category : [Condensed Matter](#)

[Physics](#) 

19. Sarapat P, Thamwattana N, Baowan D*. Continuum modelling for adhesion between paint surfaces. [Int J Adhes Adhes 2016;70:234-8](#).


Department : Mathematics

Author's Status : Academic Staff, B.Sc. Student

Journal Name : International Journal of Adhesion and Adhesives / Publisher : Elsevier

Journal Metrics : Indexed in WOS : Impact Factor = 1.956 / Category : Engineering,

Chemical (with median IF = 1.409) - Q2

Indexed in Scopus : h indexed = 61 / SJR = 1.047 / Category : [Polymers and Plastics](#) 

Notes : Top 10% (SJR)

20. Sumetpipat K, Baowan D*, Cox BJ, Hill JM. Mathematical methods on atomic force microscope cantilever systems. [RSC Adv 2016;6\(52\):46658-67](#).

Department : Mathematics

Author's Status : Academic Staff, Ph.D. Student

Journal Name : RSC Advances / Publisher : RSC

Journal Metrics : Indexed in WOS : Impact Factor = 3.289 / Category : Chemistry,

Multidisciplinary (with median IF = 1.798) - Q2

Indexed in Scopus : h indexed = 62 / SJR = 0.990 / Category : [Chemical Engineering](#)

(miscellaneous) 

21. Suwannasen O, Allen MA*, Sprott JC. The speed of reaction-diffusion fronts on fractals: testing the Campos-Méndez-Fort formula. [ScienceAsia 2016;42\(1\):33-9](#).

Department : Mathematics / Physics

Author's Status : Academic Staff, Ph.D. Student

Journal Name : ScienceAsia / Publisher : Science Society of Thailand 

Journal Metrics : Indexed in WOS : Impact Factor = 0.197 / Category : Multidisciplinary Sciences (with median IF = 0.814) - Q4

Indexed in Scopus : h indexed = 16 / SNIP = 0.566 / SJR = 0.193 / Category


: [Multidisciplinary](#) 

Notes : Hybrid OA

22. Tiangtrong P, Thamwattana N*, Baowan D. Modelling water molecules inside cyclic peptide nanotubes. [Appl Nanosci 2016;6\(3\):345-57](#).

Department : Mathematics


Author's Status : Academic Staff, Adjunct Researcher

Journal Name : Applied Nanoscience / Publisher : Springer 


Journal Metrics : Indexed in WOS

23. Tusto P, O'Brien TE, Tiensuwan M*. Optimal design strategies for relative potency using the two-parameter log-logistic model. [Model Assist Stat Appl 2016;11\(2\):109-23](#).


Department : Mathematics

Author's Status : Academic Staff, Adjunct Researcher
Journal Name : Model Assisted Statistics and Applications / Publisher : IOS Press
Indexed in Scopus : h indexed = 7 / SNIP = 0.525 / SJR = 0.296 / Category : [Modeling and Simulation](#) 



24. Unhapiat S, Chen JY, Pal N*. Small sample inferences on the Sharpe Ratio. [Am J Math Manage Sci 2016;35\(2\):105-23.](#)

Department : Mathematics
Author's Status : Academic Staff
Journal Name : American Journal of Mathematical and Management Sciences / Publisher : Taylor & Francis
Indexed in Scopus : h indexed = 11 / SNIP = 0.373 / SJR = 0.200 / Category : [Business, Management and Accounting \(miscellaneous\)](#) 

25. Unhapiat S, Tiensuwan M*, Pal N. A revisit to testing the equality of several Poisson parameters. [Model Assist Stat Appl 2016;11\(1\):27-38.](#)



Department : Mathematics
Author's Status : Academic Staff
Journal Name : Model Assisted Statistics and Applications / Publisher : IOS Press
Indexed in Scopus : h indexed = 7 / SNIP = 0.525 / SJR = 0.296 / Category : [Modeling and Simulation](#) 

26. Xie GN, Wu YH, Nardini S, Wiwatanapataphee B, Gui N, Zhao YL. Advanced approaches of modeling and measurement for turbulence and heat transfer. [Adv Mech Eng 2016 Aug;8\(8\):2. \(Editorial\)](#)

Department : Mathematics
Author's Status : Academic Staff
Journal Name : Advances in Mechanical Engineering / Publisher : SAGE 
Journal Metrics : Indexed in WOS : Impact Factor = 0.640 / Category : Engineering, Mechanical (with median IF = 1.091) - Q4
Indexed in Scopus : h indexed = 14 / SJR = 0.255 / Category : [Mechanical Engineering](#) 

Notes : Gold OA

27. Yokrattanasak J*, De Gaetano A, Panunzi S, Satiracoo P, Lawton WM, Lenbury Y. A simple, realistic stochastic model of Gastric Emptying. [PLoS One 2016 Apr 8;11\(4\):e0153297.](#)

Department : Mathematics
Author's Status : Academic Staff, Adjunct Researcher
Journal Name : PLoS One / Publisher : Public Library of Science 
Journal Metrics : Indexed in WOS : Impact Factor = 3.057 / Category : Multidisciplinary Sciences (with median IF = 0.814) - Q1
Indexed in Scopus : h indexed = 181 / SNIP = 1.011 / SJR = 1.395 / Category : [Agricultural and Biological Sciences \(miscellaneous\)](#) 
Notes : Gold OA, Top 10% (SJR), Faculty name not mentioned in address