

Centurion University of Technology and Management from 2020 to 2021

Publish or Perish 8.2.3944.8118 (extended report)

WinPosix (x64) edition, running on WinPosix 10.0.22000 (x64)

Search terms

Affiliations: Centurion University of Technology and Management

Years: 2020 to 2021

Data retrieval

Data source: Scopus

Search date: 2022-06-03 14:06:50 +0530

Cache date: 2022-06-03 08:37:04 +0530

Search result: [0] No error

***Important:** (1) This data source returns only one author per article; this affects the calculation of per-author metrics. (2) This data source does not provide abstracts for the returned results.*

Metrics

Reference date: 2022-06-03 08:37:04 +0530

Publication years: 2020-2021

Citation years: 2 (2020-2022)

Papers: 200

Citations: 1148

Citations/year: 574.00 (acc1=200, acc2=151, acc5=57, acc10=17, acc20=5)

Citations/paper: 5.74

Authors/paper: 1.00/1.0/1 (mean/median/mode)

Age-weighted citation rate: 850.50 (sqrt=29.16), 850.50/author

Hirsch h-index: 14 (a=5.86, m=7.00, 329 cites=28.7% coverage)

Egghe g-index: 20 (g/h=1.43, 409 cites=35.6% coverage)

PoP hI,norm: 14

PoP hI,annual: 7.00

Fassin hA-index: 13

Results

The recent challenges of highly contagious COVID-19, causing respiratory infections:

Symptoms, diagnosis, transmission, possible vaccines, animal models, and immunotherapy

R.K. Mohapatra (2020)

Chemical Biology and Drug Design 96(5), pp. 1187-1208, ISSN 1747-0277, cited by 45 (22.50 per year)

<https://doi.org/10.1111/cbdd.13761>

Selenium biofortification: Roles, mechanisms, responses and prospects

A. Hossain (2021)

Molecules 26(4), ISSN 1420-3049, cited by 31 (31.00 per year)

<https://doi.org/10.3390/molecules26040881>

Computational investigations of three main drugs and their comparison with synthesized compounds as potent inhibitors of SARS-CoV-2 main protease (M^{pro}): DFT, QSAR, molecular docking, and in silico toxicity analysis

R.K. Mohapatra (2021)

Journal of King Saud University - Science 33(2), ISSN 1018-3647, cited by 30 (30.00 per year)

<https://doi.org/10.1016/j.jksus.2020.101315>

Fe₃O₄ nanoparticles functionalized GO/g-C₃N₄ nanocomposite: An efficient magnetic nanoadsorbent for adsorptive removal of organic pollutants

S.K. Sahoo (2020)

Materials Chemistry and Physics 244, ISSN 0254-0584, cited by 29 (14.50 per year)

<https://doi.org/10.1016/j.matchemphys.2020.122710>

Phytic acid: Blessing in disguise, a prime compound required for both plant and human nutrition

A. Kumar (2021)

Food Research International 142, ISSN 0963-9969, cited by 28 (28.00 per year)

<https://doi.org/10.1016/j.foodres.2021.110193>

Microwave-assisted combustion synthesis of pure and zinc-doped copper ferrite nanoparticles: Structural, morphological, optical, vibrational, and magnetic behavior

A. Tony Dhiwahaar (2020)

Journal of Physics and Chemistry of Solids 138, ISSN 0022-3697, cited by 26 (13.00 per year)

<https://doi.org/10.1016/j.jpics.2019.109257>

Hydrothermal synthesis of ZnO–CdS nanocomposites: Structural, optical and electrical behavior

S. Yuvaraj (2020)

Ceramics International 46(1), pp. 391-402, ISSN 0272-8842, cited by 25 (12.50 per year)

<https://doi.org/10.1016/j.ceramint.2019.08.274>

Consequences and mitigation strategies of abiotic stresses in wheat (*Triticum aestivum* L.) under the changing climate

A. Hossain (2021)

Agronomy 11(2), ISSN 2073-4395, cited by 23 (23.00 per year)

<https://doi.org/10.3390/agronomy11020241>

Synthesis, structural investigations and antimicrobial studies of hydrazone based ternary complexes with Cr(III), Fe(III) and La(III) ions

N.M. El-Barasi (2020)

Journal of Saudi Chemical Society 24(6), pp. 492-503, ISSN 1319-6103, cited by 19 (9.50 per year)

<https://doi.org/10.1016/j.jscs.2020.04.005>

Biosensors in diagnosing COVID-19 and recent development

S. Behera (2020)

Sensors International 1, ISSN 2666-3511, cited by 16 (8.00 per year)

<https://doi.org/10.1016/j.sintl.2020.100054>

Nanoclay sandwiched reduced graphene oxide filled macroporous polyacrylamide-agar hybrid hydrogel as an adsorbent for dye decontamination

N. Sarkar (2020)

Nano-Structures and Nano-Objects 23, ISSN 2352-507X, cited by 15 (7.50 per year)

<https://doi.org/10.1016/j.nanoso.2020.100507>

Crucial Cell Signaling Compounds Crosstalk and Integrative Multi-Omics Techniques for Salinity Stress Tolerance in Plants

R.K. Singhal (2021)

Frontiers in Plant Science 12, ISSN 1664-462X, cited by 14 (14.00 per year)

<https://doi.org/10.3389/fpls.2021.670369>

Genome-wide identification and characterization of the brassinazole-resistant (BZR) gene family and its expression in the various developmental stage and stress conditions in wheat (*triticum aestivum* L.)

M.S. Kesawat (2021)

International Journal of Molecular Sciences 22(16), ISSN 1661-6596, cited by 14 (14.00 per year)

<https://doi.org/10.3390/ijms22168743>

NANOFLUID FLOW BETWEEN PARALLEL PLATES AND HEAT TRANSFER IN PRESENCE OF CHEMICAL REACTION AND POROUS MATRIX

S. JENA (2020)

Latin American Applied Research 50(4), pp. 283-289, ISSN 0327-0793, cited by 14 (7.00 per year)

DFT, anticancer, antioxidant and molecular docking investigations of some ternary Ni(II) complexes with 2-[(E)-[4-(dimethylamino)phenyl]methyleamino]phenol

R.K. Mohapatra (2021)

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<https://doi.org/10.1007/s11696-020-01342-8>

Sustainable and Efficient Route for the Regeneration of Carbonyl Compounds from Oximes Using Aqueous Extract of Sapindus laurifolia under Microwave Radiation

D. Das (2020)

ACS Omega 5(13), pp. 7716-7721, ISSN 2470-1343, cited by 14 (7.00 per year)

<https://doi.org/10.1021/acsomega.0c00774>

Genome-wide identification and characterization of PIN-FORMED (PIN) gene family reveals role in developmental and various stress conditions in triticum aestivum L

M. Kumar (2021)

International Journal of Molecular Sciences 22(14), ISSN 1661-6596, cited by 13 (13.00 per year)

<https://doi.org/10.3390/ijms22147396>

Investigation of structural, optical and magnetic behavior of MAI₂O₄ (M= Zn and Co) nanoparticles via microwave combustion technique

A. Roniboss (2021)

Materials Science in Semiconductor Processing 123, ISSN 1369-8001, cited by 13 (13.00 per year)

<https://doi.org/10.1016/j.mssp.2020.105507>

Revisiting intercropping indices with respect to potato-legume intercropping systems

H.I. Gitari (2020)

Field Crops Research 258, ISSN 0378-4290, cited by 13 (6.50 per year)

<https://doi.org/10.1016/j.fcr.2020.107957>

Synthesis and characterization of some binuclear metal complexes with a pentadentate

azodye ligand: An experimental and theoretical study

A.K. Sarangi (2020)

Applied Organometallic Chemistry 34(8), ISSN 0268-2605, cited by 13 (6.50 per year)

<https://doi.org/10.1002/aoc.5693>

Pathogen-associated molecular pattern-triggered immunity involves proteolytic degradation of core nonsense-mediated mRNA decay factors during the early defense response

H.W. Jung (2020)

Plant Cell 32(4), pp. 1081-1101, ISSN 1040-4651, cited by 13 (6.50 per year)

<https://doi.org/10.1105/tpc.19.00631>

Trichoderma: a beneficial antifungal agent and insights into its mechanism of biocontrol potential

R. Mukhopadhyay (2020)

Egyptian Journal of Biological Pest Control 30(1), ISSN 1110-1768, cited by 12 (6.00 per year)

<https://doi.org/10.1186/s41938-020-00333-x>

Green synthesis of Fe²⁺O³-Ag nanocomposite using Psidium guajava leaf extract: An eco-friendly and recyclable adsorbent for remediation of Cr(VI) from aqueous media

S.K. Biswal (2020)

Biophysical Chemistry 263, ISSN 0301-4622, cited by 12 (6.00 per year)

<https://doi.org/10.1016/j.bpc.2020.106392>

Effect of Gadolinium on the structural and dielectric properties of BCZT ceramics

S. Sapatrya (2020)

Phase Transitions 93(2), pp. 245-262, ISSN 0141-1594, cited by 12 (6.00 per year)

<https://doi.org/10.1080/01411594.2020.1711905>

Zinc biofortification in food crops could alleviate the zinc malnutrition in human health

S. Praharaj (2021)

Molecules 26(12), ISSN 1420-3049, cited by 11 (11.00 per year)

<https://doi.org/10.3390/molecules26123509>

Verification of corrosion inhibition of Mild steel by some 4-Aminoantipyrine-based Schiff bases – Impact of adsorbate substituent and cross-conjugation

A. Upadhyay (2021)

Journal of Molecular Liquids 333, ISSN 0167-7322, cited by 11 (11.00 per year)

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Journal of Molecular Liquids 326, ISSN 0167-7322, cited by 11 (11.00 per year)

<https://doi.org/10.1016/j.molliq.2021.115364>

Engineering drought tolerance in plants through CRISPR/Cas genome editing

R.K. Joshi (2020)

3 Biotech 10(9), ISSN 2190-572X, cited by 11 (5.50 per year)

<https://doi.org/10.1007/s13205-020-02390-3>

Bicistronic DNA vaccine macromolecule complexed with poly lactic-co-glycolic acid-chitosan nanoparticles enhanced the mucosal immunity of Labeo rohita against Edwardsiella tarda infection

T. Leya (2020)

International Journal of Biological Macromolecules 156, pp. 928-937, ISSN 0141-8130, cited by 11 (5.50 per year)

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Zeolites enhance soil health, crop productivity and environmental safety

M. Mondal (2021)

Agronomy 11(3), ISSN 2073-4395, cited by 10 (10.00 per year)

<https://doi.org/10.3390/agronomy11030448>

Magnesium oxide nanoparticles decorated iron oxide nanorods: Synthesis, characterization and remediation of Congo red dye from aqueous media

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Composites Communications 22, ISSN 2452-2139, cited by 10 (5.00 per year)

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Effects of non-uniform suction, heat generation/absorption and chemical reaction with activation energy on MHD Falkner-Skan flow of tangent hyperbolic nanofluid over a stretching/shrinking eedge

A. Patra (2020)

Journal of Applied and Computational Mechanics 6(3), pp. 640-652, ISSN 2383-4536, cited by 10 (5.00 per year)

<https://doi.org/10.22055/JACM.2019.30309.1714>

Time Series SARIMA Modelling and Forecasting of Monthly Rainfall and Temperature in the South Asian Countries

S. Ray (2021)

Earth Systems and Environment 5(3), pp. 531-546, ISSN 2509-9426, cited by 9 (9.00 per year)

<https://doi.org/10.1007/s41748-021-00205-w>

Potential natural polymer-based nanofibres for the development of facemasks in countering viral outbreaks

V. Shanmugam (2021)

Journal of Applied Polymer Science 138(27), ISSN 0021-8995, cited by 9 (9.00 per year)

<https://doi.org/10.1002/app.50658>

Reduced graphene oxide synthesis by dry planetary ball milling technique under hydrogen atmosphere

B.B. Palei (2020)

IOP Conference Series: Materials Science and Engineering 872(1), ISSN 1757-8981, cited by 9 (4.50 per year)

<https://doi.org/10.1088/1757-899X/872/1/012158>

An investigation on the conductivity, electric modulus and scaling behavior of electric modulus of barium titanate-lithium ferrite composite doped with Nb, Gd and Sm

G.R. Gajula (2020)

Materials Chemistry and Physics 241, ISSN 0254-0584, cited by 9 (4.50 per year)

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Integrated weed and nutrient management improve yield, nutrient uptake and economics of maize in the rice-maize cropping system of eastern india

D. Ghosh (2020)

Agronomy 10(12), ISSN 2073-4395, cited by 8 (4.00 per year)

<https://doi.org/10.3390/agronomy10121906>

Carbon storage of single tree and mixed tree dominant species stands in a reserve forest—case study of the eastern sub-himalayan region of india

P. Rai (2021)

Land 10(4), ISSN 2073-445X, cited by 8 (8.00 per year)

<https://doi.org/10.3390/land10040435>

Preparation of graphene oxide from Bio-soot wastes: As an efficient adsorbent for highly noxious Congo red dye

S. Kumar Sahoo (2020)

FlatChem 24, ISSN 2452-2627, cited by 8 (4.00 per year)

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Performance of structural lightweight concrete produced by utilizing high volume of fly ash cenosphere and sintered fly ash aggregate with silica fume

R.K. Majhi (2021)

Cleaner Engineering and Technology 3, ISSN 2666-7908, cited by 7 (7.00 per year)

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Target based chemotherapeutic advancement of ruthenium complexes

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Coordination Chemistry Reviews 448, ISSN 0010-8545, cited by 7 (7.00 per year)

<https://doi.org/10.1016/j.ccr.2021.214169>

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S. Dash (2021)

New Generation Computing 39(3), pp. 515-539, ISSN 0288-3635, cited by 7 (7.00 per year)

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Bioactive antidiabetic flavonoids from the stem bark of cordia dichotoma forst.: Identification, docking and ADMET studies

N. Hussain (2021)

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What's left before participatory modeling can fully support real-world environmental planning processes: A case study review

B. Hedelin (2021)

Environmental Modelling and Software 143, ISSN 1364-8152, cited by 7 (7.00 per year)

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Synthesis of α -Al₂O₃-graphene composite: a novel product to provide multi-functionalities on steel strip surface

T. Dash (2020)

SN Applied Sciences 2(7), ISSN 2523-3971, cited by 7 (3.50 per year)

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Inter-comparison of gauge-based gridded data, reanalysis and satellite precipitation product with an emphasis on hydrological modeling

S. Setti (2020)

Atmosphere 11(11), pp. 1-26, ISSN 2073-4433, cited by 7 (3.50 per year)

<https://doi.org/10.3390/atmos11111252>

Insights to plant immunity: Defense signaling to epigenetics

G.K. Panigrahi (2021)

Physiological and Molecular Plant Pathology 113, ISSN 0885-5765, cited by 7 (7.00 per year)

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Entropy optimized Darcy-Forchheimer slip flow of $Fe^{3+}O^{4-}-CH_2OH_2$ nanofluid past a stretching/shrinking rotating disk

M.K. Nayak (2021)

Heat Transfer 50(3), pp. 2454-2487, ISSN 2688-4534, cited by 7 (7.00 per year)

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Preparation of graphene oxide by dry planetary ball milling technique under oxygen atmosphere

S. Dash (2020)

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Aqueous extract of Shikakai; a green solvent for deoximation reaction: Mechanistic approach from experimental to theoretical

D. Das (2020)

Journal of Molecular Liquids 309, ISSN 0167-7322, cited by 7 (3.50 per year)

<https://doi.org/10.1016/j.molliq.2020.113133>

Multifunctional behavior of Ca-doped niobium-based double perovskite for photovoltaic/solar cell devices

B.N. Parida (2020)

Journal of Materials Science: Materials in Electronics 31(8), pp. 6097-6108, ISSN 0957-4522, cited by 7 (3.50 per year)

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D. Dash (2021)

Nano Express 2(1), ISSN 2632-959X, cited by 6 (6.00 per year)

<https://doi.org/10.1088/2632-959X/abd90b>

Roles of Nitric Oxide in Conferring Multiple Abiotic Stress Tolerance in Plants and Crosstalk with Other Plant Growth Regulators

R.K. Singhal (2021)

Journal of Plant Growth Regulation 40(6), pp. 2303-2328, ISSN 0721-7595, cited by 6 (6.00 per year)

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Autochthonous Lactobacillus spp. isolated from Murrah buffalo calves show potential application as probiotic

A. Singh (2021)

Current Research in Biotechnology 3, pp. 109-119, ISSN 2590-2628, cited by 6 (6.00 per year)

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Investigation of structural, dielectric and electrical properties of ZnFe₂O₄ composite

D. Mohanty (2020)

Materials Today: Proceedings 33, pp. 4971-4975, ISSN 2214-7853, cited by 6 (3.00 per year)

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Materials Today: Proceedings 33, pp. 5226-5231, ISSN 2214-7853, cited by 6 (3.00 per year)

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S. Vijayan (2021)

Journal of Cluster Science 32(6), pp. 1601-1608, ISSN 1040-7278, cited by 6 (6.00 per year)

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Proceedings of the 2020 IEEE International Conference on Communication and Signal Processing, ICCSP 2020, pp. 1036-1040, cited by 6 (3.00 per year)

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Transesterified Olax scandens oil as a bio-additive: Production and engine performance studies

V.K. Garlapati (2021)

Tribology International 153, ISSN 0301-679X, cited by 6 (6.00 per year)

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Optical, structural, and antimicrobial study of gold nanoparticles synthesized using an aqueous extract of mimusops elengi raw fruits

A. Tripathy (2020)

Biointerface Research in Applied Chemistry 10(6), pp. 7085-7096, ISSN 2069-5837, cited by 6 (3.00 per year)

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Conjugated linoleic acid producing potential of lactobacilli isolated from goat (AXB) rumen fluid samples

A.K. Tyagi (2020)

Asian-Australasian Journal of Animal Sciences 33(8), pp. 1233-1241, ISSN 1011-2367, cited by 6 (3.00 per year)

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Impact of Mg²⁺ Ion on the Structural, Morphological, Optical, Vibrational, and Magnetic Behavior of Mg:ZnAl₂O₄ Spinel

S. Yuvaraj (2020)

Journal of Superconductivity and Novel Magnetism 33(4), pp. 1199-1206, ISSN 1557-1939, cited by 6 (3.00 per year)

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Precision local positioning mechanism in underground mining using IoT-enabled WiFi

platform

A.G. Mohapatra (2020)

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Physiological, biochemical, and molecular adaptation mechanisms of photosynthesis and respiration under challenging environments

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Plant Perspectives to Global Climate Changes: Developing Climate-Resilient Plants, pp. 79-100, cited by 5 (5.00 per year)

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Pest Management Science, ISSN 1526-498X, cited by 5 (5.00 per year)

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Bio-hydrothermal synthesis of ZnO–ZnFe₂O₄ nanoparticles using *Psidium guajava* leaf extract: Role in waste water remediation and plant immunity

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Modulation of catalytic and biomolecular binding properties of ruthenium(II)-arene complexes with the variation of coligands for selective toxicity against cancerous cells

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Evaluation of quality parameters of seven processing type potato (*Solanum tuberosum* L.) cultivars in the eastern sub-himalayan plains

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A comprehensive review on epigenetic mechanisms and application of epigenetic modifications for crop improvement

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Agricultural recommendation system for crops using different machine learning regression methods

M. Garanayak (2021)

International Journal of Agricultural and Environmental Information Systems 12(1), pp. 1-20, ISSN 1947-3192, cited by 5 (5.00 per year)

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Detection of nuclear cataract in retinal fundus image using radialbasis FunctionbasedSVM

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PDGC 2020 - 2020 6th International Conference on Parallel, Distributed and Grid Computing, pp. 278-281, cited by 5 (2.50 per year)

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Thermal degradation of different biomass to fuel: Optimization of process parameters by response surface methodology

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(5.00 per year)

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Tailoring the performance of mechanically robust highly conducting Silver/3D graphene aerogels with superior electromagnetic shielding effectiveness

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Diamond and Related Materials 109, ISSN 0925-9635, cited by 5 (2.50 per year)

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Synergistic inoculation of Azotobacter vinelandii and Serendipita indica augmented rice growth

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Journal of Molecular Liquids 312, ISSN 0167-7322, cited by 5 (2.50 per year)

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enhanced dielectric constant and low dielectric loss

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Progressive genomic approaches to explore drought- and salt-induced oxidative stress responses in plants under changing climate

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Plants 10(9), ISSN 2223-7747, cited by 4 (4.00 per year)

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