

Univerzitná knižnica Univerzity Mateja Bela v Banskej Bystrici

Zoznam publikačnej činnosti a ohlasov

Autor: Melicherčík Miroslav

Ďalšie spracovanie: NOT d2

Druh dokumentu: XPCA

Zobrazovací formát: Špeciálny (personálny alebo pracoviska) s ohlasmi (na hodnotiace účely)

Štatistika: Kategória publikačnej činnosti, Kategória ohlasov

Triedenie: Skupina kategórie publikačnej činnosti, Kategória publikačnej činnosti

Voľby: Číslovanie kategórií publ.činnosti, Číslovanie ohlasu poradovými číslami, Odsadenie ohlasov doprava,

Nezobrazovať číslo archívnej kópie, Zobrazit' scientometrické údaje

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ACB Vysokoškolské učebnice vydané v domácich vydavateľstvách

ACB01 Úvod do paralelného programovania / Miroslav Melicherčík, Michal Pitoňák, Pavel Neogrády ; rec. Penka Martincová, Michal Čerňanský. - 1. vyd. - Banská Bystrica : Vydavateľstvo Univerzity Mateja Bela - Belianum, 2019. - 176 s. [10,50 AH]. - ISBN 978-80-557-1659-6

[MELICHERČÍK, Miroslav (50%) - PITOŇÁK, Michal (35%) - NEOGRÁDY, Pavel (15%) - MARTINCOVÁ, Penka (rec.) - ČERŇANSKÝ, Michal (rec.)]

BCI Skriptá a učebné texty

BCI01 Laboratórne cvičenia z organickej chémie / Fridrich Gregáň ... [et al.]. - 1. vyd. - Banská Bystrica, Slovensko : Univerzita Mateja Bela, 2010. - 127 s. - ISBN 978-80-8083-932-1

[GREGÁŇ, Fridrich (30%) - MELICHERČÍK, Miroslav (25%) - MELICHERČÍK, Milan (25%) - VACULČÍKOVÁ, Dagmar (20%)]

BCI02 Laboratórne cvičenia z fyzikálnej chémie / Milan Melicherčík, Zuzana Melichová, Miroslav Melicherčík ; rec. Jana Olexová, Ján Reguli. - Banská Bystrica : Univerzita Mateja Bela, Fakulta prírodných vied, 2011. - 124 s. [6,20 AH]. - ISBN 978-80-557-0276-6

[MELICHERČÍK, Milan (40%) - MELICHOVÁ, Zuzana (40%) - MELICHERČÍK, Miroslav (20%) - OLEXOVÁ, Anna (rec.) - REGULI, Ján (rec.)]

BCI03 Základy laboratórnej techniky a syntéz v organickej chémii / Fridrich Gregáň, Marek Skoršepa ... [et al.] ; rec. Ružena Čižmáriková, Miroslav Iliáš. - 1. vyd. - Banská Bystrica : Vydavateľstvo Univerzity Mateja Bela - Belianum, 2020. - 120 s. [6,37 AH]. - ISBN 978-80-557-1691-6

[GREGÁŇ, Fridrich (20%) - SKORŠEPA, Marek (20%) - NOCIAROVÁ, Jela (20%) - BUDZÁK, Šimon (20%) - MELICHERČÍK, Miroslav (20%) - ČIŽMÁRIKOVÁ, Ružena (rec.) - ILIAŠ, Miroslav (rec.)]

BCI04 Programovanie webových stránok [elektronický zdroj] / Daniela Bezáková ... [et al.] ; rec. Zuzana Lučaiová, Miroslav Ölvecký, Lubomír Salanci. - 1. vyd. - Bratislava : Centrum vedecko-technických informácií SR, 2020. - 228 s. [11,40 AH]. - ISBN 978-80-89965-68-7

[BEZÁKOVÁ, Daniela (4%) - HRUŠECKÁ, Andrea (15%) - HRUŠECKÝ, Roman (25%) - JAŠKOVÁ, Ludmila (4%) - MELICHERČÍK, Miroslav (25%) - TOMCSÁNYIOVÁ, Monika (2%) - VOŠTINÁR, Patrik (25%) - LUČAIOVÁ, Zuzana (rec.) - ÖLVECKÝ, Miroslav (rec.) - SALANCI, Lubomír (rec.)]

FAI Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)

FAI01 The 9th Central European Symposium on Theoretical Chemistry : book of abstracts : Nový Smokovec, September 12 - 15, 2010 / ed. Jozef Noga, Miroslav Melicherčík, Ivan Čermušák. - Bratislava : Univerzita Komenského, 2010. - ISBN 978-80-223-2907-1

[NOGA, Jozef (zodp. red.) - MELICHERČÍK, Miroslav (zodp. red.) - ČERNUŠÁK, Ivan (zodp. red.)]

FAI02 CESTC 2015 : 14th Central European symposium on theoretical chemistry, Banská Bystrica, Slovakia, September 6-9, 2015 : book of abstracts / ed. Miroslav Medveď, Miroslav Melicherčík, Šimon Budzák. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, Fakulta prírodných vied, 2015. - 96 s. [4,78 AH]. - ISBN 978-80-557-0945-1

[MEDVEĎ, Miroslav (34%) (editor) - MELICHERČÍK, Miroslav (33%) (editor) - BUDZÁK, Šimon (33%) (editor)]

ADC Vedecké práce v zahraničných karentovaných časopisoch

ADC01 Electron affinities of uracil: microsolvation effects and polarizable continuum model / Miroslav Melicherčík ... [et al.].

In Journal of physical chemistry A. - Washington : American chemical society, 2012. - ISSN 1089-5639. - Roč. 116, č. 9 (2012), s. 2343-2351.

[MELICHERČÍK, Miroslav (25%) - PAŠTEKA, Lukáš Felix (25%) - NEOGRÁDY, Pavel (25%) - URBAN, Miroslav (25%)]

Ohlasy:

1. [1] CHOMICZ, Lidia - ZDROWOWICZ, Magdalena - KASPRZYKOWSKI, Franciszek et al. How to find out whether a 5-substituted uracil could be a potential DNA radiosensitizer. In Journal of physical chemistry letters. ISSN 1948-7185, 2013, vol. 4, no. 17, pp. 2853-2857., Registrované v: WoS
2. [1] LI, Ping - WANG, Weihua - SUN, Qiao - LI, Zhen et al. Insights into the mechanism of the reaction between tetrachloro-p-benzoquinone and hydrogen peroxide and their implications in the catalytic role of water molecules in producing the hydroxyl radical. In Chemphyschem. ISSN 1439-4235, 2013, vol. 14, no. 12, pp. 2737-2743., Registrované v: WoS
3. [1] LI, Ping - WANG, Weihua - BI, Siwei - SUN, Haitao. Theoretical studies on the interaction mechanisms between tetrachloro-p-benzoquinone and hydrogen peroxide. In Structural chemistry. ISSN 1040-0400, 2013, vol. 24, no. 4, pp. 1253-1264., Registrované v: WoS
4. [1] GALVAO, Tiago L.P. - ROCHA, Ines M. - RIBEIRO DA SILVA, Maria D.M.C. - RIBEIRO DA SILVA, Manuel A.V. Is uracil aromatic? The Eethalpies of hydrogenation in the gaseous and crystalline phases, and in aqueous solution, as tools to obtain anaAnswer. In Journal of physical chemistry A. ISSN 1089-5639, 2013, vol. 117, no. 28, pp. 5826-5836., Registrované v: WoS
5. [1] LI, Ping - WANG, Wei-hua - SUN, Hai-tao - BI, Si-wei. A DFT study on the electron affinity of tetrachloro-p-benzoquinone : toward to understanding its electron-accepting ability in solution. In Computational and theoretical chemistry. ISSN 2210-271X, 2013, vol. 1006, pp. 127-132., Registrované v: WoS
6. [1] RACZYNSKA, Ewa D. Quantum-chemical studies of the consequences of one-electron oxidation and one-electron reduction for imidazole in the gas phase and water. In Computational and theoretical chemistry. ISSN 2210-271X, 2012, vol. 993, pp. 73-79., Registrované v: WoS
7. [1] BACCHUS-MONTABONEL, Marie-Christine - CALVO, Florent. Nanohydration of uracil: emergence of three-dimensional structures and proton-induced charge transfer. In Physical chemistry chemical physics. ISSN 1463-9076, 2015, vol. 17, no. 15, pp. 9629-9633., Registrované v: WoS, Scopus
8. [1] GHOSH, Angsula - CHAUDHURI, Puspitapallab. NMR spin-spin coupling constants in microhydrated ortho-aminobenzoic acid. In Molecular physics. ISSN 0026-8976, 2015, vol. 113, no. 5, pp. 497-507., Registrované v: WoS
9. [1] RAK, Janusz - CHOMICZ, Lidia - WICZK, Justyna et al. Mechanisms of damage to DNA labeled with electrophilic nucleobases induced by ionizing or UV radiation. In Journal of physical chemistry B. ISSN 1520-6106, 2015, vol. 119, no. 26, pp. 8227-8238., Registrované v: WoS
10. [1] TAVAKOL, Hossein - KESHAVARZIPOUR, Fariba. A DFT study of inter- and intramolecular proton transfer in 2-selenobarbituric acid tautomers. In Structural chemistry. ISSN 1040-0400, 2015, vol. 26, no. 4, pp. 1049-1057., Registrované v: WoS
11. [3] SAMUILOV, A. J. - ŠIŠKINA, N. N. - SAMUILOV, J. D. Gazofaznaja kislosnosť i osnovnosť linejnych asociatov metanola. In Vestnik Kazanskogo tehnologičeskogo universiteta. ISSN 1998-7072, 2012, vol. 15, no. 23, pp. 13-15.
12. [1] GUO, Chao - WANG, Weihua - FENG, Wenling - LI, Ping. Insights into the one-electron reduction behavior of tetrachloro-o-benzoquinone: a DFT and molecular dynamics study. In RSC advances. ISSN 2046-2069, 2017, vol. 7, no. 21, pp. 12775-12782., Registrované v: WoS
13. [1] LI, Ping - GUO, Chao - FENG, Wenling - SUN, Qiao - WANG, Weihua. A DFT study on the reaction mechanism between tetrachloro-o-benzoquinone and H₂O₂ and an alternative reaction approach to produce the hydroxyl radical. In RSC Aadvances. ISSN 2046-2069, 2017, vol. 7, no. 37, pp. 22919-22926., Registrované v: WoS
14. [1] CORNETTA, L. M. - KOSSOSKI, F. - VARELLA, M. T. do N. Transient anion spectra of the potential radiosensitizers 5-cyanateuracil and 5-thiocyanateuracil. In Journal of chemical physics. ISSN 0021-9606, 2017, vol. 147, no. 21., Registrované v: WoS
15. [1] HRIVNÁK, Tomáš - BUDZÁK, Šimon - REIS, Heribert - ZALESNÝ, Robert - CARBONNIERE, Philippe - MEDVEĎ, Miroslav. Electric properties of hydrated uracil : from micro - to macrohydration. In Journa of molecular liquids. ISSN 0167-7322, 2019, vol. 275, pp. 338-346., Registrované v: WoS
16. [1] ZHANG, Yan - XIE, Peng - YANG, Songqiu - HAN, Keli. Ionization and electron attachment for nucleobases in water. In Journal of physical chemistry B. ISSN 1520-6106, 2019, vol. 123, no. 6, pp. 1237-1247., Registrované v: WoS

17. [1] ZHANG, Jian - LI, Xiu. The effect of water-mediated catalysis on the intramolecular proton-transfer reactions of the isomers of 5-chlorouracil: a theoretical study. In *Acta crystallographica section c-structural chemistry*. ISSN 2053-2296, 2019, vol. 75, pp. 554-561., Registrované v: WoS

ADC02 CASPT2 and CCSD(T) calculations of dipole moments and polarizabilities of acetone in excited states / Miroslav Melicherčík ... [et al.].

In *Molecular physics*. - Abingdon : Taylor and Francis, 2012. - ISSN 0026-8976. - Vol. 110, no. 18 (2012), pp. 2219-2237.

[MELICHERČÍK, Miroslav (25%) - PAŠTEKA, Lukáš Felix (25%) - NEOGRÁDY, Pavel (25%) - URBAN, Miroslav (25%)]

Ohlasy:

1. [1] PREZHDO, O.V. - ZUBKOVA, V.V. - OLAN, K. - PREZHDO, V.V. A simple model for prediction of dipole moments of isolated molecules. In *Journal of molecular structure*. ISSN 0022-2860, 2013, vol. 1053, pp. 141-149., Registrované v: WoS
2. [1] BEDNARSKA, Joanna - ROZTOCZYNSKA, Agnieszka - BARTKOWIAK, Wojciech - ZALESNY, Robert. Comparative assessment of density functionals for excited-state dipole moments. In *Chemical physics letters*. ISSN 0009-2614, 2013, vol. 584, pp. 58-62., Registrované v: WoS
3. [1] HEAD-GORDON, M. Untitled. In *Molecular physics*. ISSN 0026-8976, 2013, vol. 111, no. 5, p. 605., Registrované v: WoS
4. [1] FISANOVA, Jana - CERNUSAK, Ivan - KELLOE, Vladimir. Ab initio calculations of molecular properties of low-lying electronic states of 2-cyclopenten-1-one link with biological activity. In *Journal of molecular modeling*. ISSN 1610-2940, 2012, vol. 18, no. 10, pp. 4751-4759., Registrované v: WoS
5. [1] BUDZÁK, Šimon - MEDVEĎ, Miroslav - MENNUCCI, Benedetta - JACQUEMIN, Denis. Unveiling solvents effect on excited-state polarizabilities with the corrected linear-response model. In *Journal of physical chemistry A*. ISSN 1089-5639, 2014, vol. 118, no. 30, pp. 5652-5656., Registrované v: WoS
6. [1] MEDVEĎ, Miroslav - BUDZÁK, Šimon - PLUTA, Tadeusz. Electric properties of the low-lying excited states of benzonitrile: geometry relaxation and solvent effects. In *Theoretical Chemistry Accounts*. ISSN 1432-881X, 2015, vol. 134, no. 6, pp. [1-14]., Registrované v: WoS
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8. [1] SUVITHA, Ambigapathy - VENKATARAMANAN, Natarajan Sathiyamoorthy. DFT calculations on polarizabilities and hyperpolarizabilities for the neutral and anionic yttrium oxide clusters. In *Journal of theoretical & computational chemistry*. ISSN 0219-6336, 2015, vol. 14, no. 7, article no. 1550049., Registrované v: WoS
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10. [1] BUDZAK, Simon - LAURENT, Adele D. - LAURENCE, Christian - MEDVED, Miroslav - JACQUEMIN, Denis. Solvatochromic shifts in UV-Vis absorption spectra : the challenging case of 4-Nitropyridine N-Oxide. In *Journal of chemical theory and computation*. ISSN 1549-9618, 2016, vol. 12, no. 4, pp. 1919-1929., Registrované v: WoS
11. [1] HALDAR, Tapas - BAGCHI, Sayan. Electrostatic interactions are key to C=O n-pi* shifts : an experimental proof. In *Journal of physical chemistry letters*. ISSN 1948-7185, 2016, vol. 7, no. 12, pp. 2270-2275., Registrované v: WoS
12. [1] NANDA, Kaushik D. - KRYLOV, Anna I. Static polarizabilities for excited states within the spin-conserving and spin-flipping equation-of-motion coupled-cluster singles and doubles formalism: theory, implementation, and benchmarks. In *Journal of chemical physics*. ISSN 0021-9606, 2016, vol. 145, no. 20., Registrované v: WoS
13. [1] HEID, Esther - SZABADI, Andras - SCHROEDER, Christian. Quantum mechanical determination of atomic polarizabilities of ionic liquids. In *Physical chemistry chemical physics*. ISSN 1463-9076, 2018, vol. 20, no. 16, pp. 10992-10996., Registrované v: WoS
14. [1] LOOS, Pierre-Francois - LIPPARINI, Filippo - BOGGIO-PASQUA, Martial - SCEMAMA, Anthony - JACQUEMIN, Denis. A mountaineering strategy to excited states : highly accurate energies and benchmarks for medium sized molecules. In *Journal of chemical theory and computation*. ISSN 1549-9618, 2020, vol. 16, no. 3, pp. 1711-1741., Registrované v: WoS
15. [1] SCHEURER, Maximilian - FRANSSON, Thomas - NORMAN, Patrick - DREUW, Andreas -

REHN, Dirk R. Complex excited state polarizabilities in the ADC/ISR framework. In Journal of chemical physics. ISSN 0021-9606, 2020, vol. 153, no. 7., Registrované v: WoS

ADC03 Off-center gaussian functions, an alternative atomic orbital basis set for accurate noncovalent interaction calculations of large systems / Miroslav Melicherčík ... [et al.].

In Journal of chemical theory and computation. - Washington : American chemical society, 2013. - ISSN 1549-9618. - Roč. 9, č. 12 (2013), s. 5296-5304.

[MELICHERČÍK, Miroslav (35%) - PITOŇÁK, Michal (20%) - KELLÖ, Vladimír (20%) - HOBZA, Pavel (5%) - NEOGRÁDY, Pavel (20%)]

Ohlasy:

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2. [1] YAMADA, Haruka - MOCHIZUKI, Yuji - FUKUZAWA, Kaori - OKIYAMA, Yoshio - KOMIJI, Yuto. Fragment molecular orbital (FMO) calculations on DNA by a scaled third-order Moller-Plesset perturbation (MP2.5) scheme. In Computational and theoretical chemistry. ISSN 2210-271X, 2017, vol. 1101, pp. 46-54., Registrované v: WoS

3. [1] PATKOWSKI, Konrad. Benchmark databases of intermolecular interaction energies : design, construction, and significance. In Annual reports in computational chemistry. ISSN 1574-1400, 2017, vol. 13, pp. 3-91., Registrované v: Scopus

4. [1] KODRYCKA, Monika - PATKOWSKI, Konrad. Platinum, gold, and silver standards of intermolecular interaction energy calculations. In Journal of chemical physics. ISSN 0021-9606, 2019, vol. 151, no. 7, pp., Registrované v: Scopus

5. [1] LEHTOLA, Susi. A review on non-relativistic, fully numerical electronic structure calculations on atoms and diatomic molecules. In International journal of quantum chemistry. ISSN 0020-7608, 2019, vol. 119, no. 19, pp. 1-31., Registrované v: WoS

6. [1] LEHTOLA, Susi. Curing basis set overcompleteness with pivoted Cholesky decompositions. In Journal of chemical physics. ISSN 0021-9606, 2019, vol. 151, no. 24., Registrované v: WoS

ADC04 Off-center Gaussian functions: Applications toward larger basis sets, post-second-order correlation treatment, and truncated virtual orbital space in investigations of noncovalent interactions / Miroslav Melicherčík ... [et al.]. - Spôsob prístupu: <https://onlinelibrary.wiley.com/doi/abs/10.1002/qua.25580>.

In International Journal of Quantum Chemistry. - Hoboken : Wiley-Blackwell, 2018. - ISSN 0020-7608. - Vol. 118, no. 14 (2018), pp. 1-14.

(2018: A - CC, 2.263 - IF, 98 - H-index, Q1 - JCR Best Q, Q1 - SJR Best Q, 0.848 - SJR, 0.849 - SNIP).

[MELICHERČÍK, Miroslav (25%) - SUCHÁ, Denisa (25%) - NEOGRÁDY, Pavel (25%) - PITOŇÁK, Michal (25%)]

Ohlasy:

1. [1] KODRYCKA, Monika - PATKOWSKI, Konrad. Platinum, gold, and silver standards of intermolecular interaction energy calculations. In Journal of chemical physics. ISSN 0021-9606, 2019, vol. 151, no. 7, pp., Registrované v: Scopus

2. [1] LEHTOLA, Susi. A review on non-relativistic, fully numerical electronic structure calculations on atoms and diatomic molecules. In International journal of quantum chemistry. ISSN 0020-7608, 2019, vol. 119, no. 19, pp. 1-31., Registrované v: WoS

3. [1] LEHTOLA, Susi. Curing basis set overcompleteness with pivoted Cholesky decompositions. In Journal of chemical physics. ISSN 0021-9606, 2019, vol. 151, no. 24., Registrované v: WoS

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 Measuring concurrency of parallel algorithms / Jarmila Škrinárová, Miroslav Melicherčík.

In Proceedings of the 2008 1st International Conference on Information Technology : sponsored by IEEE, 19. - 21. May, Gdansk Poland / editors Andrzej Stepnowski, Marek Moszyński, Thaddeus Kochanski, Jacek Dabrowski. - Gdansk : Gdansk University of Technology, Faculty of Electronics, 2008. - ISBN 978-1-4244-2244-9. - S. 289-292.

[ŠKRINÁROVÁ, Jarmila (50%) - MELICHERČÍK, Miroslav (50%)]. - Článok je evidovaný v databáze WoS. - Článok je evidovaný v databáze Scopus.

Ohlasy:

1. [1] SILÁDI, Vladimír et al. A parallel processing of spatial data interpolation on computing cloud. In BCI 2012 : 5th Balkan Conference in Informatics. [S. l.] : ACM, 2012. ISBN 978-145-031-2400, s. 193-198., Registrované v: Scopus

2. [1] SIMON, Marek - HURAJ, Ladislav - OLVECKY, Miroslav - SILADI, Vladimír. A framework

for DDoS botnet attack representation using P2P grid environment. In 2nd international conference on communication and technology (ICCT 2015), Melbourne Jan 19-20, 2015. Lancaster : Desteck Publications, 2015. ISBN 978-1-60595-236-9, pp. 150-158., Registrované v: WoS

3. [1] SIMON, Marek - HURAJ, Ladislav. DDoS testbed based on peer-to-peer grid. In International conference on signal processing, communication, power and embedded system, SCOPES 2016, Odisha, India, 3th-5th October 2016. New York : IEEE, 2017. ISBN 978-150904620-1, pp. 1181-1186., Registrované v: Scopus

AFC02 Analýza obsahu učiva a stavu vedomostí o toxických kovoch na základných školách / Milan Melicherčík, Danica Melicherčíková, Miroslav Melicherčík.

In Current Trends in Chemical Curricula : proceedings of the International Conference Prague, 24. - 26. September 2008 / edited by Karel Nesměrák. - Prague : Charles University, Faculty of Science, 2008. - ISBN 978-80-86561-60-8. - S. 176-181.

[MELICHERČÍK, Milan (34%) - MELICHERČÍKOVÁ, Danica (33%) - MELICHERČÍK, Miroslav (33%)]

AFC03 Analýza obsahu učiva a stavu vedomostí o toxických kovoch na stredných školách / Miroslav Melicherčík, Milan Melicherčík, Danica Melicherčíková.

In Current Trends in Chemical Curricula : proceedings of the International Conference Prague, 24. - 26. September 2008 / Edited by Karel Nesměrák. - Prague : Charles University, Faculty of Science, 2008. - ISBN 978-80-86561-60-8. - S. 182-187.

[MELICHERČÍK, Miroslav - MELICHERČÍK, Milan - MELICHERČÍKOVÁ, Danica]

AFC04 Ochrana zdravia a chemická vzdelanosť / Miroslav Melicherčík, Milan Melicherčík, Danica Melicherčíková.

In Current Trends in Chemical Curricula : proceedings of the International Conference Prague, 24. - 26. September 2008 / Edited by Karel Nesměrák. - Prague : Charles University, Faculty of Science, 2008. - ISBN 978-80-86561-60-8. - S. 188-194.

[MELICHERČÍKOVÁ, Danica - MELICHERČÍK, Milan - MELICHERČÍK, Miroslav]

AFC05 CCSD(T) calculations of stabilities and properties of confined systems / Filip Holka ... [et al.]. In International Conference of Computational Methods in Sciences and Engineering ICCMSE 2010 : proceedings of the international conference of computational methods in sciences and engineering. - Melville : American Institute of Physics, 2015. - ISBN 978-0-7354-1282-8. - ISSN 0094-243X. - Vol. 1642 (2015), pp. 35-44.

[HOLKA, Filip (20%) - URBAN, Miroslav (20%) - MELICHERČÍK, Miroslav (20%) - NEOGRÁDY, Pavel (20%) - PALDUS, Josef (20%)]

AFC06 Improving image processing performance using database user-defined functions / Michal Vagač, Miroslav Melicherčík.

In Artificial intelligence and soft computing : 14th international conference ICAISC 2015, Zakopane, Poland, June 14-18, 2015 : proceedings. Part 1. - 1. vyd. - Cham : Springer International Publishing, 2015. - ISBN 978-3-319-19323-6. - ISSN 0302-9743. - Pp. 789-799.

[VAGAČ, Michal (80%) - MELICHERČÍK, Miroslav (20%)]. - Článok je evidovaný v databáze WoS. - Článok je evidovaný v databáze Scopus.

Ohlasy:

1. [1] KORYTKOWSKI, Marcin. Novel visual information indexing in relational databases. In Integrated computer-aided engineering. ISSN 1069-2509, 2017, vol. 24, no. 2, pp. 119-128., Registrované v: Scopus

2. [1] GUBALOVÁ, Jolana - MEDVEĎOVÁ, Petra. User-defined financial functions for MS SQL server. In International journal of advanced computer science and applications. ISSN 2158-107X, 2018, vol. 9, no. 9, pp. 19-25., Registrované v: WoS

3. [1] SCHERER, Rafał. Image retrieval and classification in relational databases. In Studies in computational intelligence. ISSN 1860-949X, 2020, no. 821, pp. 107-136., Registrované v: Scopus

AFC07 Extraction of geometric shape of repetitive elements with application to traceology / Michal Vagač, Miroslav Melicherčík ... [et al.]. - Spôsob prístupu: https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=2&SID=E3nnL37XwIKTeUpsnvz&page=2&doc=88.

In ICSIPA : IEEE International conference on signal and image processing applications 2017, Kuching, 12.-14.09.2017 [elektronický zdroj]. - 1. vyd. - New York : IEEE, 2017. - ISBN 978-1-5090-5558-6. - online, s. 133-138.

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AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 Acceleration of CCSD(T) computations using technology of graphical processing unit = Urýchlenie CCSD (T) výpočtov s použitím technológie grafických kariet / Miroslav Melicherčík ... [et al.]. In Študentská vedecká konferencia Prírodovedeckej fakulty UK : zborník recenzovaných príspevkov, Bratislava 28. 4. 2010. - Bratislava : Univerzita Komenského, Prírodovedecká fakulta, 2010. - ISBN 978-80-223-2819-7. - S. 840-846.

[MELICHERČÍK, Miroslav (25%) - DEMOVIČ, Lukáš (25%) - PITOŇÁK, Michal (25%) - NEOGRÁDY, Pavel (25%)]

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AFD02 Grafické karty nie len na hranie / Erik Urbančok, Miroslav Melicherčík ; rec. Peter Trhan, Michal Vagač ... [et al.].

In Prírodovedec 2014 : zborník príspevkov zo ŠVK 2014 konanej v Banskej Bystrici 24. apríla 2014 / ed. Slavka Račáková, Ján Spišiak. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, Fakulta prírodných vied, 2014. - ISBN 978-80-557-0721-1. - CD-ROM, s. 280-282.

[URBANČOK, Erik (50%) - MELICHERČÍK, Miroslav (50%) - TRHAN, Peter (rec.) - VAGAČ, Michal (rec.) - JACKOVÁ, Jana (rec.) - MELICHERČÍK, Miroslav (rec.) - KVASNOVÁ, Petra (rec.)]

AFD03 Crawling images with web browser support / Michal Vagač, Miroslav Melicherčík ... [et al.].

In Informatics 2015 : 13th international scientific conference on informatics, Poprad, 18.-20.11.2015 / eds. Valerie Novitzká, Štefan Korečko, Anikó Szákal. - 1. vyd. - New York : IEEE, 2015. - ISBN 978-1-4673-9867-1. - Pp. 286-289.

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AFD04 Implementácia algoritmu násobenia matic na GPGPU s optimalizáciou prenosu údajov / Miroslav Kováč, Miroslav Melicherčík ; rec. Ľudovít Trajtel', Michal Vagač ... [et al.]. - Spôsob prístupu: <http://www.fpv.umb.sk/app/cmsSiteAttachment.php?ID=2931>.

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[KOVÁČ, Miroslav (50%) - MELICHERČÍK, Miroslav (50%) - TRAJTEL', Ľudovít (rec.) - VAGAČ, Michal (rec.) - JACKOVÁ, Jana (rec.) - BRODENEČ, Ivan (rec.)]

AFD05 Zapojenie študentov do riešenia projektu APVV s názvom Automatické spracovávanie trasologických objektov = Involving the students into the APVV project with the name Automatic processing of traceology objects / Miroslav Melicherčík, Alžbeta Michalíková, Michal Vagač.
In DidInfo&DidactIG 2017 [elektronický zdroj] : spojená medzinárodná konferencia: DidInfo - 23. ročník konferencie a DidactIG - 5. ročník konferencie, 5.-7. apríl 2017 v Banskej Bystrici / eds. Dana Horváthová, Jana Jacková ... [et al.] ; rec. Gabriela Andrejková, Jan Berki ... [et al.]. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, 2017. - ISBN 978-80-557-1216-1. - ISSN 2454-051X. - CD-ROM, s. 191-192.
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AFD06 Analysis of education requirements for future high performance computing users / Miroslav Melicherčík ... [et al.].
In Applied natural sciences 2017 : conference proceedings of the 6th biennial international scientific conference, September 27-29, 2017, Jasná / rec. Roman Boča, Azzedine Bousseksou ... [et al.]. - 1. vyd. - Trnava : University of SS. Cyril and Methodius, 2017. - ISBN 978-80-8105-548-5. - Pp. 80-84.
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AFD07 Detection of shoe sole features using DNN / Michal Vagač, Michal Povinský, Miroslav Melicherčík.
In Informatics 2017 : proceedings, 2017 IEEE 14th international scientific conference on informatics, November 14-16, 2017, Poprad. - 1. vyd. - Red Hook, New York : Institute of Electrical and Electronic Engineers, 2017. - ISBN 978-1-5386-0888-3. - Pp. 416-419.
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AFD08 Spreading high performance computing skills with e-learning support / M. Melicherčík ... [et al.].
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AFD09 Programovanie trochu inak s použitím mikrokontroléra Arduino = Little bit different programming with microcontroller Arduino / Miroslav Melicherčík ... [et al.]. - Spôsob prístupu: https://io.fpv.umb.sk/didinfo/Zbornik_Didinfo_2019.pdf.
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AFD10 Budúci "Chief Cybercrime Officer" ešte možno derie školské lavice = The future may still sits at school / Ludovít Trajtel' ... [et al.].

In DidInfo 2019 = Proceedings of conference DidInfo 2019 : medzinárodná konferencia o vyučovaní informatiky : 25. ročník konferencie / ed. Dana Horváthová ... [et al.] ; rec. Gabriela Andrejková, Jan Berki ... [et al.] [elektronický zdroj]. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, 2019. - ISBN 978-80-557-1533-9. - ISSN 2454-051X. - S. 178-185.

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AFD11 Ansible ecosystem as DDoS attack testbed using distributed computing infrastructure / Marek Šimon, Ladislav Huraj, Miroslav Melicherčík.

In Applied Natural Sciences 2019 : proceedings / rec. Ján Rimarčík, Ildikó Matušiková ... [et al.]. - 1. vyd. - Nitra : The University of SS. Cyril and Methodius, 2019. - ISBN 978-80-572-0021-5. - Pp. 89-94.

[ŠIMON, Marek (34%) - HURAJ, Ladislav (33%) - MELICHERČÍK, Miroslav (33%)]

AFD12 A Chatbot based on deep neural network and public cloud services with TJBOT interface / Michal Povinský, Miroslav Melicherčík, Vladimír Siládi.

In IEEE 15th International Scientific Conference on Informatics : informatics 2019 : proceedings, 20.-22.11.2019, Poprad. - 1. vyd. - New York : Institute of Electrical and Electronics Engineers, 2019. - ISBN 978-1-7281-3178-8. - S. 237-332.

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AFD13 Obtaining tire tread model from its real world photo / Michal Vagač, Michal Povinský, Miroslav Melicherčík.

In IEEE 15th International Scientific Conference on Informatics : informatics 2019 : proceedings, 20.-22.11.2019, Poprad. - 1. vyd. - New York : Institute of Electrical and Electronics Engineers, 2019. - ISBN 978-1-7281-3178-8. - S. 441-444.

[VAGAČ, Michal (40%) - POVINSKÝ, Michal (40%) - MELICHERČÍK, Miroslav (20%)]

AFD14 Porovnanie implementácií algoritmov násobenia matic na GPGPU s použitím CUDA a OpenACC = Comparison of matrix multiplication algorithm implementation on GPGPU with CUDA and OpenACC / Ján Šimonides, Miroslav Melicherčík.

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[ŠIMONIDES, Ján (50%) - MELICHERČÍK, Miroslav (50%)]

AFD15 Teaching programming through the Arduino workshops at secondary schools / Patrik Voštinár, Miroslav Melicherčík, Michal Vagač.

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AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 Properties of molecular systems using large-scale cc calculations / Pavel Neogrády ... [et al.].

In Chemické listy : 62. sjezd asociací českých a slovenských chemických spoločností Pardubice, 28. - 30. 6. 2010. - Praha : Česká společnost chemická, 2010. - ISSN 0009-2770. - Vol. 104, no. 6 (2010), p. 473.

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AFG02 CCSD(T), MP2 and DFT investigations of electron affinities of uracil: microsolvation and the polarized continuum model / M. Melicherčík ... [et al.].

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AFG03 Theoretical study on properties of the valence excited states of acetone / Lukáš F. Pašteka ... [et al.].

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AFG04 Theoretical study on properties of the valence excited states of acetone / Lukáš F. Pašteka, Miroslav Melicherčík, Miroslav Urban.
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[PAŠTEKA, Lukáš Felix (34%) - MELICHERČÍK, Miroslav (33%) - URBAN, Miroslav (33%)]

AFG06 Solvation effects on uracil / Miroslav Melicherčík ... [et al.].
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AFG07 Effects of solvation on electron affinities of uracil / Miroslav Melicherčík ... [et al.].
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AFG08 Algorithm for generation of off-center gaussian basis set functions grid for computations of accurate noncovalent interaction of large systems = Algoritmus pre generovanie gridu mimocentrických gaussových funkcií pre výpočty presných nekovalentných interakcií veľkých systémov / Miroslav Melicherčík ... [et al.].
In CESTC 2013: Central European Symposium on Theoretical Chemistry : 22nd - 25th September 2013, Znojmo, Czech Republic / ed. Michal Tarana, Roman Čurík. - Prague : J. Heyrovský Institute of Physical Chemistry, Academy of Science of the Czech Republic, 2013. - ISBN 978-80-87351-26-0. - S. [1].
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AFG09 Off-center gaussian functions, an alternative atomic orbital basis set for accurate noncovalent interaction calculations of large systems = Mimocentrické gaussove funkcie ako alternatívna báza atómových orbitálov pre presné výpočty nekovalentných interakcií veľkých systémov / Miroslav Melicherčík ... [et al.].
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AFG10 Accurate noncovalent interaction CCSD(T) calculations of large systems with off-center gaussian basis set functions = Presné CCSD(T) výpočty nekovalentných interakcií veľkých systémov s použitím gridu mimocentrových gaussových funkcií / Miroslav Melicherčík ... [et al.].
In CESTC 2014 : book of abstracts : [Central European symposium on theoretical chemistry] : 21-25 September 2014, Nagybörzsöny, Hungary. - CEST, 2014. - ISBN 978-963-313-132-9. - S. [55].
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AFH Abstrakty príspevkov z domácich konferencií

AFH01 Applicability of graphical processing units to coupled clusters calculations = Aplikovateľnosť grafických kariet na výpočty spriahnutých klastrov / Miroslav Melicherčík ... [et al.].
In The 9th Central European Symposium on Theoretical Chemistry : book of abstracts : Nový Smokovec,

September 12 - 15, 2010 / ed. Jozef Noga, Miroslav Melicherčík, Ivan Černušák. - Bratislava : Univerzita Komenského, 2010. - ISBN 978-80-223-2907-1. - S. 97-98.
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AFH02 Noncovalent interaction investigations using off-center gaussian functions: post-second-order correlation treatment / Miroslav Melicherčík, Pavel Neogrady, Michal Pitoňák.
In CESTC 2015 : 14th Central European symposium on theoretical chemistry, Banská Bystrica, Slovakia, September 6-9, 2015 : book of abstracts / ed. Miroslav Medveď, Miroslav Melicherčík, Šimon Budzák. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, Fakulta prírodných vied, 2015. - ISBN 978-80-557-0945-1. - S. 66.
[MELICHERČÍK, Miroslav (34%) - NEOGRÁDY, Pavel (33%) - PITOŇÁK, Michal (33%)]

AFH03 Classification of tire images in order to obtain the best possible tire tread sample / Michal Vagač, Miroslav Melicherčík, Jakub Schön.
In Applied natural sciences 2015 : perspectives in V4 Countries : the 5th International scientific conference, September 30 - October 2 2015, Jasná, Low Tatras, Slovak Republic / ed. Miroslav Ondrejovič, Peter Nemeček. - Trnava : University of SS. Cyril and Methodius in Trnava, 2015. - ISBN 978-80-8105-723-6. - S. 173.
[VAGAČ, Michal (34%) - MELICHERČÍK, Miroslav (33%) - SCHÖN, Jakub (33%)]

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AFH04 Homemade STEM projects with 3D printer and microcontrollers / Patrik Voštinár, Miroslav Melicherčík.
In Applied Natural Sciences 2019 : book of abstracts. - 1. vyd. - Nitra : The University of SS. Cyril and Methodius, 2019. - ISBN 978-80-572-0011-6. - Pp. 101.
[VOŠTINÁR, Patrik (50%) - MELICHERČÍK, Miroslav (50%)]

BDF Odborné práce v ostatných domácich časopisoch

BDF01 Internet a vzdelávanie / Danica Melicherčíková ... [et al.].
In Dnešná škola - človek a príroda. - Bratislava : ZUCH, 2018. - ISSN 1339-3952. - Roč. 5, č. 2 (2018), s. 12.
[MELICHERČÍKOVÁ, Danica (40%) - BELLOVÁ, Renata (30%) - MELICHERČÍK, Miroslav (20%) - KURUCZ, Ján (10%)]

BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie...)

BFA01 Approximated MP2 for extended systems with helical symmetry / Matej Veis, Miroslava Melicherčík, Jozef Noga.
In 16th International congress of quantum chemistry. - 1. vyd. - Menton : [s. n.], 2018. - P. [1].
[VEIS, Matej (40%) - MELICHERČÍK, Miroslav (20%) - NOGA, Jozef (20%)]

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií

GII01 Cost Molim WG3 meeting 2016 : book of abstracts, Algorithm development and high-performance computing in chemistry and physics 2016, Bratislava, Slovakia, March 21-22, 2016 / eds. Mária Pilar de Lara-Castells, Miroslav Medveď, Miroslav Melicherčík. - 1. vyd. - Banská Bystrica : Univerzita Mateja Bela, Fakulta prírodných vied, 2016. - 34 p. - ISBN 978-80-557-1080-8
[LARA-CASTELLS, Mária Pilar de (34%) (editor) - MEDVEĎ, Miroslav (33%) (editor) - MELICHERČÍK, Miroslav (33%) (editor)]

Štatistika: kategória publikačnej činnosti

ACB	Vysokoškolské učebnice vydané v domácich vydavateľstvách	1
ADC	Vedecké práce v zahraničných karentovaných časopisoch	4
AFC	Publikované príspevky na zahraničných vedeckých konferenciách	7
AFD	Publikované príspevky na domácich vedeckých konferenciách	15

AFG	Abstrakty príspevkov zo zahraničných konferencií	10
AFH	Abstrakty príspevkov z domácich konferencií	4
BCI	Skriptá a učebné texty	4
BDF	Odborné práce v ostatných domácich časopisoch	1
BFA	Abstrakty odborných prác zo zahraničných podujatí (konferencie...)	1
FAI	Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)	2
GII	Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií	1
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