

AUTHOR INDEX

- Abdalrazaq E., Al-Shemary R. K. R., Jbarah A. A. Q., Synthesis, characterization, cytotoxicity, DFT calculations, and DNA interaction studies of new Schiff base metal (II) complexes..... 196
- Abrashev B., See Pandev et al. 434
- Abrashev B., See Slavova et al. 48
- Abrashev B., Terziev V., Paskalev D., Lefterova E., Dimitrova M., Dimitrov O., Gigova A., Petrov K., Gas diffusion electrodes (GDEs) with Ag/ γ -MnO₂ bimetallic catalytic composition for metal hydride/air batteries..... 61
- Acknowledgement to reviewers for Vol. 54 (2022) 66
- Akbar Jan F., Khalid Sh., Ullah N., Ullah R., Synthesis, characterization and application of undoped TiO₂ and co-doped TiO₂ (with Ba & Co) for the photocatalytic degradation of Coomassie brilliant blue (CBB) dye under UV light irradiation..... 85
- Akyol E., See Al-Dubai A. S. A. E. et al. 278
- Akyol E., See Ekşİ et al. 289
- Al-Dubai A. S. A. E., Akyol E., Polyacrylic acid and polyacrylic acid sodium salt as inhibitors of calcium oxalate crystal formation..... 278
- Al-Shemary R. K. R., See Abdalrazaq et al. 196
- Andreeva R., Tsanev A., Stoychev D., Formation of environmentally friendly protective Ce₂O₃-CeO₂ conversion coatings on Al, modified by phosphate layers: chemical and electrochemical characterization 390
- Angelov A. T., Bratkova S. G., Ivanov R. V., Velichkova P. G., Algae-assisted bioelectrochemical system with ammonium and sulfide removal and parallel biomethanation..... 53
- Asenova S., See Tomova et al. 385
- Ashtianifar M., Milani S. A., Zahakifar F., Thermodynamics and mechanism of liquid–liquid extraction of cerium (IV) from sulfuric acid solutions with di-(2-ethylhexyl) phosphoric acid (D2EHPA)..... 407
- Askarova A. S., Bolegenova S. A., Georgiev A. G., Maximov V. Yu., Bolegenova S. A., Beketayeva M. T., Mukhtarova A. M., Study of combustion processes in the combustion chambers of power facilities..... 166
- Atanasova B., See Tomova et al. 385
- Atanasova L., See Tomova et al. 385
- Aydogdu S., Evirgen M., Hatipoglu A., The reactivity properties of platinum-containing anticancer drugs..... 227
- Ayhan B. C., Şakar D., Tarakçı E. C., Effect of anionic/nonionic surfactant systems on the properties of water-based styrene/acrylic copolymer latexes 267
- Azoulay M., See Golan et al. 149
- Bachvarov V. D., See Boshkova et al. 27
- Beketayeva M. T., See Askarova et al. 166
- Beloev Hr., See Ongar et al. 153
- Bolegenova S. A., See Askarova et al. 166
- Bolegenova S. A., See Askarova et al. 166
- Boshkov N. S., See Boshkova et al. 27
- Boshkova N. D., Bachvarov V. D., Peshova M. T., Stambolova I., Stoyanova D., Smrichkova S. I., Pham T. N., Nguyen T. T., Tran D. L., Boshkov N. S., Corrosion properties of systems based on ZrO₂ sol-gel films on Zn-Ni and Zn-Co alloys..... 27
- Bratkova S. G., See Angelov et al. 53
- Burdin B., See Slavova et al. 48
- Ceylan B., Evaluation of *in vitro* antioxidant activities of traditional fermented non-alcoholic beverages from Turkey..... 424
- Chitradevi S., See Mohandoss et al. 13
- Dege N., See Şahin et al. 308
- Detcheva A. K., See Ivanova et al. 5
- Dimitrov O., See Abrashev et al. 61
- Dimitrova M., See Abrashev et al. 61
- Dimova-Gabrovska M., Rangelov S., Kirilova E., Kirilov K., Strength qualities of test specimens of materials for preliminary non-removable prosthetic constructions - Part 2. Principal component analysis 328
- Dimova-Gabrovska M., See Rangelov et al. 321
- Dineva P., See Rangelov et al. 344
- Ekşİ D., Akyol E., Küçük I., Polysaccharide-based films for transdermal drug delivery systems..... 289
- El-Yakubu Jibril B., See Oyegoke et al. 32
- Eslek O., Sakar D., Investigation of poly(ethylene-alt-maleic-anhydride)-pregabalin (1:1) ratio controlled drug delivery system synthesized in catalyst-free media: stability and activity at different pHs. 295
- Evirgen M., See Aydogdu et al. 227
- Fasihi J., See Zahakifar et al. 188
- Gayathri V., See Shenbagabalakrishnan et al. 97
- Georgiev A. G., See Askarova et al. 166
- Georgiev A., See Ongar et al. 153
- Georgieva A. A., See Georgieva et al. 344
- Georgieva M. A., Georgieva A. A., Panayotova K. Z., Yovkova F. S., Markovska I. G., Preparation and characterization of NGO/Al₂O₃ composite ceramic materials 344
- Gigova A., See Abrashev et al. 61
- Gitmiş M., See Gündoğan et al. 214
- Golan G., Azoulay M., High sensitivity calorimetric sensor for flow measurements 149
- Grigorjeva T., See Kirilova et al. 273
- Grigorova E., Todorova S., Tzvetkov P., Spassov T., Hydrogen sorption and electrochemical hydriding of Mg_{2.1}Ni_{0.7}V_{0.3} 183
- Guadagno L., See Spinelli et al. 335
- Guarini R., See Spinelli et al. 335
- Gündoğan K., Gitmiş M., Improving of rheological and mechanical properties of natural and EPDM rubbers via multi-walled carbon nanotubes (MWCNTs) reinforcement 214
- Gurkan B., See Yorulmaz et al. 313
- Gurkan Y. Y., See Kurumoglu et al. 299
- Gurkan Y. Y., See Yorulmaz et al. 313
- Hadjichristov G. B., See Vlakhov et al. 133

Hatipoglu A., See Aydogdu et al.	227
Igwebuike C. M., See Oyegoke et al.	32
Iliev I., See Ongar et al.	153
In memoriam Professor Lachezar Angelov Petrov	383
Instructions to authors.....	68, 173, 373, 460
Ivanov E., See Spinelli et al.	335
Ivanov R. V., See Angelov et al.	53
Ivanova L. P., Vassileva P. S., Koleva V. G., Detcheva A. K., Investigation on the adsorption mechanism of copper (II) ions onto a biosorbent based on lemon balm	5
Jbarah A. A. Q., See Abdalrazaq et al.	196
Karadjov M. G., Chemometric assessment of agricultural samples from the vicinity of a lead-zinc smelter.....	21
Karkhanei N., See Zahakifar et al.	188
Kartev I. I., Investigation of zinc sulfide phosphorescent materials obtained by a modified nonco-precipitative method.....	446
Katirci A., Kibar M. E., Uğur Nigiz F., Photocatalytic activity of TiO ₂ -Cu-metal-organic framework (MOF)	283
Kaur I., See Sharma et al.	40
Khalid Sh., See Akbar Jan et al.	85
Kibar M. E., See Katirci et al.	283
Kijo-Kleczkowska A., See Ongar et al.	153
Kipçak E., See Taşçı et al.	256
Kirilov K., See Dimova-Gabrovska et al.	328
Kirilov K., See Rangelov et al.	321
Kırılova A., Savicka M., Grigorjeva T., Kirılova E., Study of the toxicity of benzanthrone luminescent dyes	273
Kırılova E., See Dimova-Gabrovska et al.	328
Kırılova E., See Kırılova et al.	273
Kırılova E., See Rangelov et al.	321
Kolev D. N., New possibility to locally convert municipal waste into energy.....	441
Koleva V. G., See Ivanova et al.	5
Kotsilkova R., See Spinelli et al.	335
Küçük I., See Eksi et al.	289
Kurumoglu S., Gurkan Y. Y., Investigation of degradation products of secondary metabolites of Bupropion molecule by DFT methods	299
Latona D. F., Catalytic effect of sodium dodecyl sulfate on the oxidation of propanal by potassium permanganate in acidic medium.....	430
Lefterova E., See Abrashev et al.	61
Maragheh M. Gh., See Zaheri et al.	75
Marinov Y. G., See Vlakhov et al.	133
Markovska I. G., See Georgieva et al.	344
Marudova M., See Momchilova et al.	418
Maximov V. Yu., See Askarova et al.	166
Mihaylova-Dimitrova E., See Slavova et al.	48
Milani S. A., See Ashtianifar et al.	407
Mladenova E., See Slavova et al.	48
Mladenović M. R., See Petrov et al.	141
Mohandoss S., Suja S., Srinivasan S. P., Chitradevi S., Venkatachalapathy B., Sridhar T. M., <i>In vitro</i> corrosion behavior, mechanical properties of nano biocomposite coated 316L SS for dental applications.....	13
Momchilova M., Zsivanovits G., Marudova M., Thermal stability of vegetable oil emulsions and influence on the texture parameters of cooked sausages	418
Mukhtarova A. M., See Askarova et al.	166
Nestorova R., See Tomova et al.	385
Nguyen T. T., See Boshkova et al.	27
Nikolova M., See Tomova et al.	385
Ongar B., Beloev Hr., Georgiev A., Iliev I., Kijo-Kleczkowska A., Optimization of the design and operating characteristics of a boiler based on three-dimensional mathematical modeling	153
Oyegoke T., Peter E. E., Igwebuike C. M., El-Yakubu Jibril B., Current opinion on the significance of promoting molecular modeling and simulation applications in Nigeria's future experimental catalysis and reaction engineering studies	32
Ozden Ozyalcin Z., Seyhun Kipcak A., Effects of drying methods on the drying kinetics of blanched brown crab meat	234
Panayotova K. Z., See Georgieva et al.	344
Pandev M., Terziev V., Abrashev B., The evolution of hydrogen technologies: paving the way to a sustainable hydrogen economy	434
Pashinski Ch. O., See Simov et al.	160
Paskalev D., See Abrashev et al.	61
Paunova-Hubenova E. N., See Trichkova-Kashamova et al.	117
Paunova-Hubenova E. N., Trichkova-Kashamova E. D., Sustainable practices in contemporary livestock farming	108
Peshova M. T., See Boshkova et al.	27
Peter E. E., See Oyegoke et al.	32
Petrov K., See Abrashev et al.	61
Petrov N. M., Mladenović M. R., Rudonja N. R., SNCR in biomass combustion facilities: from theories to existing models	141
Petrova T. St., Analytical modeling of stresses and strains in layered nanocomposite structures - opportunities and challenges	349
Pham T. N., See Boshkova et al.	27
Raijkova G., See Slavova et al.	48
Rangelov S., Dimova-Gabrovska M., Kirilova E., Kirilov K., Physico-mechanical characteristics of materials and methods for provisional non-removable prosthetic constructions - Part 1. Contemporary literature review	321
Rangelov S., See Dimova-Gabrovska et al.	328
Rangelov Ts., Dineva P., Time-harmonic nano-cracks interaction in functionally graded piezoelectric half-plane	367
Romano V., See Spinelli et al.	335
Rudonja N. R., See Petrov et al.	141
Rupetsov V. S., See Simov et al.	160
Sadavarte P. S., Zaware B. H., Takate S. J., Chemical kinetics: cyclisation reaction of hydrazinecarbothioamide, thioacetamide, and thiobenzamide with ethyl 2-bromoacetate	103

- Şahin S., Dege N., 2-((3-Chlorophenyl) imino) methyl)-4-nitrophenol: synthesis, molecular and medicinal studies.....308
- Şakar D., See Ayhan et al.267
- Şakar D., See Eslek et al.295
- Savicka M., See Kirilova et al.273
- Sayıklı Simsek C., Yalcın Gurkan Y., Calculating analysis of seasonal changes and degradation reactions of pesticides in surface waters feeding Süleymanpasa district, Tekirdag242
- Sepehrian H., See Zahakifar et al.188
- Seyhun Kipcak A., See Ozden Ozyalcin et al.234
- Sharma A. D., Kaur I., Targeting penicillin binding proteins (PBPs) by using bioactive geranial from essential oil of *Cymbopogon pendulus* against gram-positive and gram-negative bacteria: molecular docking and experimental approach.....40
- Shenbagabalakrishnan B., Gayathri V., The performance of activated carbon in Al-ion based supercapacitors.....97
- Simov M. D., Rupetsov V. S., Pashinski Ch. O., Investigation of the properties of Ti/TiN/TiCN gradient hard coating deposited on Stavax ESR steel160
- Slavova M., Abrashev B., Mladenova E., Terziev V., Mihaylova-Dimitrova E., Burdin B., Raikova G., Optimized zinc electrode for rechargeable zinc-air batteries.....48
- Slavova M., See Tomova et al.385
- Slavova V., Application of fiber-optical module for broadband scattering measurements with rod lenses and CCD photodiode in mobile analyses of peach juice.....414
- Smrichkova S. I., See Boshkova et al.27
- Sosarov L. S., Stoyanova A. E., Effect of surfactants and wetting agents on the electrochemical characteristics of Ni/Zn batteries.....126
- Spassov T., See Grigorova et al.183
- Spinelli G., Guarini R., Kotsilkova R., Ivanov E., Vertuccio L., Romano V., Guadagno L., Joule heating effect in carbon-based epoxy resin: an experimental and numerical study.....335
- Sridhar T. M., See Mohandoss et al.13
- Srinivasan S. P., See Mohandoss et al.13
- Stambolova I., See Boshkova et al.27
- Stoyanova A. E., See Sosarov et al.126
- Stoyanova D., See Boshkova et al.27
- Stoychev D., See Andreeva et al.407
- Suja S., See Mohandoss et al.13
- Takate S. J., See Sadavarte et al.103
- Tarakçı E. C., See Ayhan et al.267
- Taşçi Z. E., Kipçak E., The effect of ultrasound pretreatment on oven and vacuum oven drying kinetics of blueberries.....256
- Terziev V., See Abrashev et al.61
- Terziev V., See Pandev et al.434
- Terziev V., See Slavova et al.48
- Todorova S., See Grigorova et al.183
- Tomova R., Asenova S., Atanasova L., Atanasova B., Nestorova R., Nikolova M., Slavova M., Analysis of serum antioxidant activity in women with impaired bone density and effect on it of serum concentrations of copper and zinc.....385
- Tran D. L., See Boshkova et al.27
- Trichkova-Kashamova E. D., Paunova-Hubenova E. N., Precision livestock farming as a useful tool to reduce environmental impact of the farms117
- Trichkova-Kashamova E. D., See Paunova-Hubenova et al.108
- Tsanev A., See Andreeva et al.407
- Tzvetkov P., See Grigorova et al.183
- Uğur Nigiz F., See Katirci et al.283
- Ullah N., See Akbar Jan et al.85
- Ullah R., See Akbar Jan et al.85
- Unlu D., Pervaporative desalination by phosphomolybdic acid/PVA hybrid membrane....250
- Vassileva P. S., See Ivanova et al.5
- Velichkova P. G., See Angelov et al.53
- Venkatachalapathy B., See Mohandoss et al.13
- Vertuccio L., See Spinelli et al.335
- Vlakhov T. E., Marinov Y. G., Hadjichristov G. B., Dielectric characterization (complex electric modulus) of Na⁺-ion conducting PEO/E8/NaIO₄ salt-complexed polymer/liquid crystals composite.....133
- Yalcın Gurkan Y., See Sayıklı Simsek et al.242
- Yorulmaz H. G., Gurkan B., Gurkan Y. Y., Removal of pyraclostrobin, pinoxaden, gammacyhalothrin pesticides from groundwater by DFT method313
- Yovkova F. S., See Georgieva et al.344
- Zahakifar F., Karkhanei N., Fasihi J., Sepehrian H., Enhanced iodide uptake from aqueous solutions by silver-modified mesoporous SBA-15188
- Zahakifar F., See Ashtianifar et al.407
- Zahakifar F., See Zaheri et al.75
- Zaheri P., Zahakifar F., Maragheh M. Gh., Optimization of europium transport through a supported liquid membrane containing Cyanex 272 using response surface methodology.....75
- Zaware B. H., See Sadavarte et al.103
- Zsivanovits G., See Momchilova et al.418