

AUTHOR INDEX

- Abou El-Nour Kh.M., See Refat M.S., et al.439
- Aher, H., See Kokate S. et al.406
- Al-Didamony H., See Refat M.S., et al.439
- Aleksandrov L. I., See Iordanova R. S., et al.254
- Alhamed Y.A., See Nosier S.A., et al. 401
- Aksenov S. M., See Rastsvetaeva R. K. et al.308
- Amiri H., See Esmaeili A. et al.532
- Ania C.O., See Tsyntsarski B., et al.552
- Angelov T., See Uzov Chr. Et al.346
- Angelov I. G., Chr. A. Girginov, E. Klein, Growth and dissolution of anodic antimony oxide in oxalic acid electrolytes.....144
- Antonov V., See Dabrowski L. et al. 203
- Aslan N., E. Canel, M. Yilmaz, E. Kiliç, New cesium ion-selective PVC membrane electrode based on a novel calix[6]arene derivative.....526
- Aroyo M. I., J. M. Perez-Mato, D. Orobengoa, E. Tasci, G. de la Flor, A. Kirov, Crystallography online: Bilbao Crystallographic Server.....183
- Arnauodova M. H., See Bachvarov V. D. et al.115
- Atanassov P.B., See Boukoureshtlieva R.I. et al.81
- Atanassova G, See Guergova D., et al.150
- Avdeev G., See Tomov I., S. et al.334
- Avramova I, See Guergova D., et al.150
- Aydin M., The identity and structure of free radicals in γ -irradiated amino acid derivatives.....419
- Bachvarova-Nedelcheva A. D., See Iordanova R. S., et al. 254
- Bachvarova-Nedelcheva A., See Iordanova R., et al.378
- Bachvarov V. D., M. H. Arnauodova, R. St. Rashkov, A. Zielonka, Electrochemical deposition of alloys based on Ni-Fe-Co, containing W,P, and their characterization for hydrogen evolution reaction.....115
- Bamoharram F.F., See Heravi M.M., et al.423
- Banov B.I., H.C. Vasilchina, Environmentally friendly cathode materials for Li-ion batteries..... 7
- Benita Sherine H., S. Felci Sagaya Mary, S. Rajendran Inhibitive action of the catechol-zinc system in controlling the corrosion of carbon steel.....544
- Bogdanov B., See Uzov Chr. Et al.346
- Bojinov M. S., See Petrova M.L. et al.60
- Boshkov N.S., See Raichevski G. M. et al.69
- Borisov G.R., See Lefterova E.D. et al.138
- Boukoureshtlieva R.I., S.M. Hristov, Y.D. Milusheva, P.B. Atanassov, A.R. Kaisheva, Mediated enzyme electrodes.....81
- Boukoureshtlieva R.I., See Milusheva Y.D.. et al.42
- Boukoureshtlieva R.I., See Hristov S.M.. et al.111
- Budinova T., See Mladenov M. et al.125
- Budinova T., See Tsyntsarski B., et al.552
- Bunzarov Zh., I. Iliev, T. Dimov, P. Petkova, Fundamental absorption edge of pure and doped magnesium sulfite hexahydrate (MgSO₃.6H₂O) single crystals.....198
- Canel E., See Aslan N. et al.526
- Dabrowski L., D. Neov, V. Antonov, M. Machkova, S. Neov, V. Kozhukharov, Structure of LaSrFeO₄: neutron diffraction, Mössbauer spectroscopy and modeling.....203
- Dakova I., P. Vasileva, I. Karadjova, Cysteine modified silica submicrospheres as a new sorbent for preconcentration of Cd (II) and Pb (II).....210
- de Bruijn F., See Petrov Y. et al.158
- de la Flor G., See Aroyo M. I. et al.....183
- Denev Y., See Uzov Chr. Et al.346
- Dhiman D., See Sanjeev R., et al.465
- Dimcheva N. D., E. G. Horozova, T. M. Dodevska, Direct electrochemistry of myoglobin immobilized on non-modified and modified graphite.....17
- Dimitriev Y. B., See Iordanova R. S., et al.254
- Dimitriev Y., See Iordanova R. S., et al.378
- Dimitrov A. T., See Paunović P. et al.74
- Dimitrov D. Tz., M. M. Milanova, R. P. Kralshvska Lanthanide oxide doped titania photocatalysts for degradation of organic pollutants under UV and visible light illumination.....489
- Dimova L., B. L. Shivachev, R. P. Nikolova, Single crystal structure of pure and Zn ion exchanged clinoptilolite: Comparison of low temperature and room temperature structures and Cu vs. Mo radiation.....217
- Dimova L., See Stoyanova-Ivanova A., et al.320
- Dimov T., See Bunzarov Zh., et al.115
- Djambazki P. R., See Mihailova I. K. et al.293
- Dobrovol'ska Ts. V., See Nineva S. L. et al.88
- Dobrovol'ska Ts. V., See Nineva S. L. et al.96
- Dodevska T. M., See Dimcheva N. D. et al.17
- Donkova B.V., K.I. Milenova, M.S. Khristova, D.R. Mehandjiev, Catalytic neutralization of nitrogen oxides on low-percentage Mn/ZnO catalysts, obtained via oxalate precursor.....538
- Dragieva I., See Kostadinova D. et al.164
- Dushkin C. D., See Kaneva V.N., et al.259
- Dzhonova-Atanasova D., D. Kolev, N. Kolev, Height of vertical plates with inclined capillary grooves for a redistribution packing layer of packed columns.....449
- Dzhonova-Atanasova D., See Kolev DE. Et al.456
- Elesh E., See Refat M.S., et al.516
- Elfalaky A., See Refat M.S., et al.516
- Elshazly A. H., See Shehata A.S. et al.427
- El-Zayat L., See Refat M.S., et al.439
- Esmaeili A., H. Amiri, The *in vitro* antioxidant and antibacterial activities of *Tanacetum pinnatum* boiss. grown in Iran,532
- Exner G. K., E. Pérez, M. N. Krasteva, Use of time-resolved X-ray scattering methods for investigation of structural formation in polymer liquid crystals..225
- Fachikov L.B., See Ivanova D.I. et al.54
- Felci Sagaya Mary S., See Benita Sherine H. Et al.544

Gadjov, I.H. See Petrova M.L. et al.	60	and photocatalytic properties of zinc titanate.....	378
Gencheva G. G., See Gorolomova P. J., et al.	244	Ivanova D.I., L.B. Fachikov, Phosphating of zinc surfaces in zinc-calcium solutions.....	54
Georgieva St., See Stoyanova-Ivanova A., et al.	320	Ivanov G. M., See Stoyanova D. D. et al.	477
Gerova M., R. Nikolova, B. Shivachev, O. Petrov, Synthesis and crystal structure of 2-[(2,3-dihydro-2-oxo-3-benzoxazolyl)methyl]benzoic acid.....	230	Jagannadham V., R. Sanjeev, The marvellous Marcus equation.....	383
Girginov Chr. A., See Angelov I. G. et al.....	144	Jagannadham V., See Sanjeev R., et al.	465
Giorgi G., G. L. Lyutov, L. G. Lyutov, Single-crystals of magnesium sulfite hexahydrate doped with nickel – structure, density and optical properties.....	236	Kaisheva A.R., See Milusheva Y.D. et al.	42
Gorolomova P. J., R. P. Nikolova, B. L. Shivachev, V. I. Ilieva, D. Ts. Tsekova, T. D. Tosheva, E. S. Tashev, S. G. Varbanov, G. G. Gencheva, Theoretical and experimental studies on the coordination ability of 1,4-bis (dimethylphosphinylmethyleneoxy)benzen.....	244	Kaisheva A.R., See Boukoureshtlieva R.I.et al.	81
Grigorova E., Ts. Mandzhukova, M. Khristov, P. Tzvetkov, B. Tsyntsarski, Effect of activated carbons derived from agricultural by-products on the hydrogen storage properties of magnesium.....	483	Khristova M.S., See Donkova B.V. et al.	538
Guergova D., E. Stoyanova, D. Stoychev, I. Avramova, G. Atanasova, P. Stefanov, Corrosion stability of stainless steel, modified electrochemically with Ce ₂ O ₃ -CeO ₂ films, in 3.5% NaCl media.....	150	Kaneva N. V., C. D. Dushkin, Preparation of nanocrystalline thin films of ZnO by sol-gel dip coating.....	259
Hadži Jordanov S., See Paunović P. et al.	74	Karadjova I., See Dakova I., et al.	210
Heravi M.M., N. Tavakoli-Hoseini, F.F. Bamoharram, A modified reaction for the preparation of amidoalkyl naphthols using silica-supported Preyssler nano particles	423	Khristova M.S., See Stoyanova D. D. et al.	477
Hodjaoglu G., I. Ivanov, Zinc recovery from sulphate electrolytes, containing copper and ferrous ions.....	37	Khristov M., See Grigorova E. et al.	483
Hodzhaoglu F. V., L. N. Stanoeva, C. N. Nanev, Lysozyme crystal nucleation in solution layers.....	361	Kiliç E., See Aslan N. et al.	526
Horozova E. G., See Dimcheva N. D. et al.	17	Kirov A., See Aroyo M. I. et al.....	183
Hristova E., See Tsibranska I., et al.	370	Kokate S., H. Aher and S. Kuchekar, Separation of gold (III) from ayurvedic medicines and alloys by extraction chromatography	406
Hristov S.M., R.I. Boukoureshtlieva, Y.D. Milusheva, Experimental metal hydride-air fuel cell.....	111	Kolev D., D. Dzhonova-Atanasova, N. Kolev., Pressure drop of vertical plates with inclined capillary grooves for a redistribution packing layer of packed columns	456
Hristov S.M., See Milusheva Y.D. et al.	42	Kolev D., See Dzhonova-Atanasova D. et al.	449
Hristov S.M., See Boukoureshtlieva R.I.et al.	81	Kolev N., See Dzhonova-Atanasova D. et al.	449
Ibrahim O.B., See Refat M.S., et al.	439	Kolev N., See Kolev D. Et al.	456
Ignatova K., D. Stoykova, Study of the influence of nitrite anions on the electrode processes in ammonium electrolyte for Ag-Cu deposition.....	48	Kostadinova D., G. Topalov, A. Stoyanova, E. Lefterova, I. Dragieva, Investigations of mixed oxides Mg/Ni/Al(O) from layered double hydroxides as catalyst support for proton exchange membrane water electrolysis.....	164
Ivanov I., See Hodjaoglu G. et al.	37	Kovacheva D., See Mladenov M. et al.	125
Ilieva V. I., See Gorolomova P. J., et al.	244	Kovacheva, D. See Tzvetkov P., et al.	339
Iliev I., See Bunzarov Zh., et al.	115	Kozhukharov S.V., See Matter E. A. et al.	23
Iliev P., See Petrov K. et al.	105	Kozhukharov V., See Dabrowski L. et al.	203
Iliev Tz., See Iordanova R., et al.	378	Kralshavska R. P., See Dimitrov D. Tz., et al.	489
Iordanova R. S., A. D. Bachvarova-Nedelcheva, L. I. Aleksandrov, Y. B. Dimitriev, Synthesis of BiBO ₃ by crystallization of glasses in the Bi ₂ O ₃ -MoO ₃ -B ₂ O ₃ system.....	254	Krapchanska M. Z., See Slavova M. P. et al.	120
Iordanova R., A. Bachvarova-Nedelcheva, Y. Dimitriev, Tz. Iliev, Mechanochemical synthesis		Krasteva, M. N. See Exner et al.	225
		Krastev I.N., See Nineva S. L. et al.	88
		Krastev I.N., See Nineva S. L. et al.	96
		Krezhov K. A., Potential of neutron diffraction for disclosure of structural details after chemical substitution.....	264
		Kuchekar S., See Kokate S., et al.	406
		Kuneva M., S. Tonchev, Spectroscopy of optical waveguiding layers.....	276
		Lefterova E.D., A.E. Stoyanova, G.R. Borisov, E.P. Slavcheva, Physical characterization of Pt-M binary electrocatalysts for water splitting.....	138
		Lefterova E., See Kostadinova D. et al.	164
		Lefterova E., See Paunović P. et al.	74
		Lyutov G. L., See Giorgi G., et al.	236
		Lyutov L. G., See Giorgi G., et al.	236
		Lutov L., See Raichevski G. M. et al.	69
		Machkova M., See Dabrowski L. et al.	203
		Machkova M.S., See Matter E. A. et al.	23

Maheta S., S.J. Patel, Synthesis and biological activity of 4-chloro-2-hydroxy – n-(5- methylene-4-oxo-2- aryl – thiazolidin-3- yl) benzamide.....	411	Nosier S.A., Y.A. Alhamed, Forced convection corrosion of steel equipments in the water layer present in crude oil.....	401
Mandzhukova Ts., See Grigiriva E, et al.	483	Novak P., See Pashova V. P. et al.	64
Mohana K. N., See Mallesha L., et al.	395	Orobengoa D., See Aroyo M. I. et al.....	183
Manolov I., See Stanchev S., et al.	316	Pakshirajan K., See Saravanan P. Et al.	502
Matter E. A., S.V. Kozhukharov, M.S. Machkova, Effect of preliminary treatment on the superficial morphology and the corrosion behaviour of AA2024 aluminum alloy.....	23	Pashova V. P., L. G. Mirkova, M. H. Monev, P. Nowak, G. Nawrat, Ni/Re-Co as electrocatalytic material for hydrogen evolution reaction in alkaline solution.....	64
Mehandjiev D.R., See Donkova B.V. et al.	538	Patel S.J., See Maheta S., et al.	411
Mehandjiev D., See Mihailova I. K. et al.	293	Paunović P., D. Stoevska Gogovska, O. Popovski, I. Radev, E. Lefterova, E. Slavcheva, A. T. Dimitrov, S. Hadži Jordanov, Non-platinum electrode materials for hydrogen evolution: effect of catalyst support and metallic phase.....	74
Mihailova I. K., P. R. Djambazki, D. Mehandjiev, The effect of the composition on the crystallization behavior of sintered glass-ceramics from blast furnace slag.....	293	Pelovski Y.G., See M.K. Mladenov et al.	510
Milanova M. M., See Dimitrov D. Tz., et al.	489	Perez-Mato J. M., See Aroyo M. I. et al.....	183
Milanova M. M., See Zaharieva J. Ts., et al.	558	Pérez E., See Exner et al.	225
Milenova K.I., See Donkova B.V. et al.	538	Petkova P., See Bunzarov Zh., et al.	115
Milusheva Y.D., R.I. Boukoureshtlieva, S.M. Hristov, A.R. Kaisheva, Environmentally-clean Mg-air electrochemical power sources	42	Petkova V., See Petrova N. et al.	301
Milusheva Y.D., See Boukoureshtlieva R.I. et al. ...	81	Petrova N., V. Petkova, Structural changes in the system natural apatite – NH ₄ clinoptilolite during triboactivation.....	301
Milusheva Y.D., See Hristov S.M.. et al.	111	Petrov B., See Tsyntsarski B., et al.	552
Mirkova L. G., See Pashova V. P., .. et al.	64	Petrov K., I.Nikolov, V. Nikolova, P. Iliev, D.Uzun, T. Vitanov, Electrolytic cell for hydrogen and sulfuric acid production	105
Mladenov M.K., E.S. Serafimova, Y.G. Pelovski, Study on thermal stability of composite mixtures on the base of wood ash.....	510	Petrov D., See Mladenov M. et al.	125
Mladenov M., N. Petrov, T. Budinova, B. Tsyntsarski, T. Petrov, D. Kovacheva, R. Raicheff, Synthesis and electrochemical properties of the electrode materials for supercapacitors.....	125	Petrov N., See Tsyntsarski B., et al.	552
Mohana K. N., L. Mallesha, Synthesis and in vitro biological activity of N-(5-amino-2-methylphenyl)-4-(3-pyridyl)-2-pyrimidinamine derivatives	395	Petrov N., See Mladenov M. et al.	125
Monev M. N., See Pashova V. P. et al.	64	Petrov O., See Gerova M. et al.	230
Morgenstern, B. See Zaharieva J. Ts., et al.	558	Petrov Y., J.-P. Schosger, F. de Bruijn, Kinetics of the hydrogen evolution reaction on Ni electrode in synthetic seawater – an alkaline solution.....	158
Naik N., H. Vijay Kumar, S. Swetha, 1,5-diphenylpenta-1,4 dien-3-ones: A novel class of free radical scavengers.....	460	Petrova M.L., M.S. Bojinov, I.H. Gadjov, Electrodeposition of molybdenum oxides from weakly alkaline ammonia-molybdate electrolytes	60
Nanev C. N., See Hodzhaoglu F. V. et al.	361	Popov A., See Uzov Chr. Et al.	346
Nawrat G., See Pashova V. P. et al.	64	Popov C., See Spasov G. S. et al.	31
Nedeltcheva T., See Stoyanova-Ivanova A., et al.	320	Popovski O., See Paunović P. et al.	74
Neov D., See Dabrowski L. et al.	203	Radev I., See Paunović P. et al.	74
Neov S., See Dabrowski L. et al.	203	Raicheff R., See Mladenov M. et al.	125
Nihtianova D., See Tzvetkov P., et al.	339	Raichevski G. M., L. Lutov, N. S. Boshkov, Corrosion characterization and protective ability of the LR-3 rust converter.....	69
Nikolova R. P., See Dimova L. et al.	217	Raikova G., D. Vladikova, Z. Stoynov, Differential impedance analysis of the cathode compartment in dual membrane fuel cell.....	133
Nikolova R. P., See Gorolomova P. J., et al.	244	Raikova G. S., See Slavova M. P., et al.	120
Nikolova R. P., See Stanchev S., et al.	316	Rajendran S., See Benita Sherine H. Et al.	544
Nikolova R., See Gerova M. et al.	230	Rashkov St., See Bachvarov V. D. et al.	115
Nikolova V., See Petrov K. et al.	105	Rastsvetaeva R. K., S. M. Aksenov, New phases of K, Eu-silicate in the family of compounds with the orthorhombic pellyite-like unit cell.....	308
Nikolov I., See Petrov K. et al.	105	Refat M.S., A. Elfalaky, E. Elesh, Spectroscopic and physical measurements on charge transfer complex of norfloxacin drug with iodine acceptor.....	516
Nineva S. L., Ts. V. Dobrovolska, I. N. Krastev, Electrodeposition of silver-cobalt coatings. Electrolytes.....	88		
Nineva S. L., Ts. V. Dobrovolska, I. N. Krastev, Electrodeposition of silver-cobalt coatings. The cyanide-pyrophosphate electrolyte.....	96		

Ruskov T., See Tzvetkov P., et al.	339	Stoykova D., See Ignatova K. et al.	48
Saha, P., See Saravanan P. et al.	502	Stoynov Z.B., See Slavova M. P. et al.	120
Sanjeev R., See Jagannadham V., et al.	383	Stoynov Z., See Raikova G., et al.	133
Sanjeev R., V. Jagannadham, D. Dhiman, Lifetime of benzyl-gem-diacetate in aqueous solution.....	465	Swetha H., See Naik N. et al.	460
Saravanan P., K. Pakshirajan, P. Saha, Kinetics of phenol degradation and growth of predominant <i>Pseudomonas</i> species in a simple batch stirred tank reactor.....	502	Tasci E., See Aroyo M. I. et al.....	183
Schosger J.-P., See Petrov Y. et al.	158	Tashev E. S., See Gorolomova P. J., et al.	244
Sedahmed G.H., See Shehata A.S. et al.	427	Tavakoli-Hoseini N., See Heravi M.M., et al.	423
Serafimova E.S., See M.K. Mladenov et al.	510	Todorovsky D. S., See Zaharieva J. Ts., et al.	558
Shehata A.S., A.H. Elshazly, A.A. Zaatout, G.H. Sedahmed, Mass transfer behaviour of a new liquid-liquid rotating screen disc extractor ...	427	Tomov I., Extinction in textures: Nullifying the extinction effect.....	325
Shivachev B. L., See Dimova L. et al.	217	Tomov I., S. Vassilev, G. Avdeev, An extinction-free technique for pole density measurements of textures by XRD.....	334
Shivachev B. L., See Gorolomova P. J., et al.	244	Tonchev S., See Kuneva M. et al.	276
Shivachev B. L., See Stanchev S., et al.	316	Topalov G., See Kostadinova D. et al.	164
Shivachev B., See Gerova M. et al.	230	Tosheva T. D., See Gorolomova P. J., et al.	244
Shivachev B., See Stoyanova-Ivanova A., et al.	320	Tsekova D. Ts., See Gorolomova P. J., et al.	244
Slavcheva E. P., See Lefterova E.D. et al.	138	Tsibranska I., E. Hristova, Comparison of different kinetic models for adsorption of heavy metals onto activated carbon from apricot stones	370
Slavcheva E., See Paunović P. et al.	74	Tsyntsarski B., B. Petrov, T. Budinova, N. Petrov, L. Velasco, C.O. Ania, Characterization and application of activated carbon from biomass and coal wastes for naphthalene removal.....	552
Slavova M. P., D. E. Vladikova, M. Z. Krapchanska, G. S. Raikova, Z. B. Stoynov, Differential impedance analysis of BaCe _{0.85} Y _{0.15} O _{2.925}	120	Tzvetkov P., D. Kovacheva, D. Nihtianova, T. Ruskov, Structure stability towards cation substitutions in A ₂ B ₂ O ₅ perovskites with crystallographic shear planes.....	339
Spasov G. S., C. Popov, Auger analysis of plasma treated ultrananocrystalline diamond films.....	31	Tsyntsarski B., ., See Mladenov M. et al.	125
Stanchev S., R. P. Nikolova, B. L. Shivachev, I. Manolov, Crystal structure of 3-oxo-2-(4- hydroxybenzylidene)-butyric acid ethyl ester.....	316	Tsyntsarski B., See Grigorova E. et al.	483
Stanoeva L. N., See Hodzhaoglu F. V. et al.	361	Tzvetkov P., See Grigorova E. et al.	483
Stefanov P., See Guergova D., et al.	150	Uzov Chr., B. Bogdanov, Y. Denev, V. Velev, T. Angelov, A. Popov, On the relationship crystal structure – properties at flexible chain polymers. I. Polycaprolactam.....	346
Stoevska Gogovska D., See Paunović P. et al.	74	Uzun D., See Petrov K. et al.	105
Stoyanova A., See Kostadinova D. et al.	164	Varbanov S. G., See Gorolomova P. J., et al.	244
Stoyanova A.E., See Lefterova E.D., et al.	138	Vasileva P., See Dakova I., et al.	210
Stoyanova D. D., G. M. Ivanov, M. S. Khristova, Effect of Lanthanum on the Activity and Thermal Stability of copper-cobalt oxide Catalysts Supported on Alumina.....	477	Vasilchina H.C., See Banov B.I., et al.	17
Stoyanova E., See Guergova D., et al.	150	Vasilev N., See Zaharieva J. Ts., et al.	558
Stoyanova-Ivanova A., St. Georgieva, T. Nedeltcheva, L. Dimova, B. Shivachev, Variation of the unit cell parameters of the REBa ₂ Cu ₃ O _y (RE = Gd, Er) ceramics in function of the oxygen content.....	320	Vassilev S., See Tomov I., S. et al.	334
Stoyanova-Ivanova A., St. Georgieva, T. Nedeltcheva, L. Dimova, B. Shivachev, Variation of the unit cell parameters of the REBa ₂ Cu ₃ O _y (RE = Gd, Er) ceramics in function of the oxygen content.....	320	Velasco L., See Tsyntsarski B., et al.	552
Stoychev E., See Guergova D., et al.	150	Velev V., See Uzov Chr. Et al.	346
		Vijay Kumar H., See Naik N. et al.	460
		Vitanov T., See Petrov K. et al.	105
		Vladikova D., See Raikova G. et al.	133
		Vladikova D. E., See Slavova M. P. et al.	120
		Yilmaz M., See Aslan N. et al.	526
		Zaatout A.A., See Shehata A.S. et al.	427
		Zaharieva J. Ts., M. M. Milanova, N. Vasilev, B. Morgenstern, D. S. Todorovsky, X-ray powder diffractometry and NMR studies of europium- dibenzoylmethane complexes.....	558
		Zielonka A., See Bachvarov V. D. et al.	115

SUBJECT INDEX

- ¹³C NMR spectroscopy,.....558
¹H,.....558
 2(3*H*)-benzoxazolone,.....230
 3-oxo-2-(4-hydroxybenzylidene)-butyric acid ethyl ester, crystal structure.....316
 4-chloro-2-hydroxy benzoic acid hydrazide,.....411
 active carbon,.....370
 adsorption kinetics,.....370
 adsorption,.....552
 air gas-diffusion electrodes,.....42, 111
 Aldehydes,.....460
 alkaline electrolytes,.....60
 alkaline water electrolysis,.....64
 alloy metal powders,.....48
 Alloys,.....406
 aluminium substrate,.....259
 aluminum alloy - AA2024,.....23
 amidoalkyl naphthols,.....423
 amine functionalized silica submicrospheres,.....210
 Amino Acid Derivatives,.....419
 anodic antimony oxide,.....144
 antibacterial activity,.....411, 532
 antimicrobials,.....395
 antioxidant activity,.....532
 antioxidant,.....395
 Apatite,.....301
 apricot stones,.....552
 Auger analysis,.....31
 Ayurvedic medicine,.....406
 ball milling,.....288
 Batch stirred tank reactor,.....502
 Benzalacetone,.....460
 benzoic acid,.....230
 benzyl-*gem*-diacetate,.....465
 Bilbao Crystallographic Server,.....183
 Biodegradation,.....502
 birefringence – solids – 78.20.F,.....236
 blast furnace slag,.....293
 borohydride fuel cell,.....111
 calix[6]arene,.....526
 camphor,.....532
 capillary grooves,.....449, 456
 carbon black,.....81
 Carbon steel,.....544
 carbon steels,.....54
 catalyst support material,.....164
 catechol,.....544
 cathodic deposition,.....60
 cation substitutions,.....339
 Cesium,.....526
 charge-transfer complexes,.....516
 Charge-transfer,.....439
 chemical dissolution,.....144
 chemical reactivity,.....244
 clinoptilolite,.....217
 glass-ceramics,.....293
 coal tar pitch,.....552
 comparison,.....456
 composite mixtures,.....510
 conformation analysis,.....244
 copper,.....37
 inhibition,.....544
 corrosion protection,.....150
 corrosion,.....23, 69
 Crude oil,.....401
 crystal chemistry,.....308
 crystal nucleants of biological origin,.....361
 crystal structure,.....264, 308
 crystallites,.....259
 crystallization,.....254, 293
 crystallographic shear planes,.....339
 crystallographic symmetry,.....183
 Cu-Ag alloys,.....288
 Cu-Co oxide spinel catalysts,.....477
 cyclic voltammetry,.....48
 density – crystalline solids – 71.20,.....236
 deposition,.....37
 desalting,.....401
 Differential Impedance Analysis,.....120, 133
 diffraction – X-ray analysis – 61.10.H,.....236
 diffraction pole figures,.....334
 diffusion coefficient,.....370
 diffusion-controlled reaction,.....401
 dip coating,.....259
 direct electron transfer,.....17
 doped ZnO,.....538
 dopping,.....236
 dual membrane fuel cell,.....133
 EIS,.....23
 electrochemical impedance spectroscopy,.....60, 158
 electrode materials,.....125
 electrodeposited Ce₂O₃–CeO₂ thin films,.....150
 electrodeposition of alloys,.....48
 electrodeposition,.....64, 88, 96, 115
 electrolyte,.....88, 96
 electrolytic cell,.....105
 Electron Transfer Reactions,.....383
 elevated temperature stability,.....7
 endotaxy,.....308
 environmentally-clean energy,.....42
 enzyme electrode,.....81
 EPR,.....419
 europium complexes,.....558
 europium potassium silicate,.....308
 extinction,.....325
 Free Radicals,.....419
 F-test,.....544
 FTIR,.....544
 fundamental absorption edge,.....198
 furfural,.....552
 gas-solid reactions,.....483
 glasses,.....254

gold(III),.....	406	Neutron scattering,.....	264
graphite,.....	17	NH ₄ -clinoptilolite,.....	301
heavy metals,.....	370	Ni ²⁺ ,.....	236
heterogeneous vs. homogeneous nucleation,.....	361	Ni-Fe-Co alloys,.....	115
high rates coating,.....	7	NO reduction,.....	477, 538
highly efficient lithium batteries.....	7	Norfloxacin,.....	51
hybrid capacitor,.....	125	online tools,.....	183
hydrogen evolution reaction,.....	64, 115, 158	optical waveguides,.....	276
hydrogen evolution,.....	74	organic electrolyte,.....	125
hydrogen storage materials,.....	483	oxalic acid anodizing,.....	144
hydrogen,.....	105	oxidation of CO and C ₆ H ₆ by O ₂ ,.....	477
hypo-hyper d-electrocatalysts,	74	oxide growth,.....	144
I ₃ -starch compound,.....	320	oxygen evolution reaction,.....	164
immobilized myoglobin,.....	17	oxygen stoichiometry coefficient,.....	320
impedance measurements,.....	144	packed columns,.....	449, 456
Impedance Spectroscopy,.....	120	PACS:.....	236
Infrared spectra,.....	439	PEM water splitting,.....	138
Iodine,.....	439, 516	PEMWEs,.....	164
ion-selective electrode,.....	526	perovskites,.....	339
IR spectroscopy,.....	301	phase composition,.....	276
IR,.....	516	Phase transitions,.....	225
iron,.....	37	Phenol,.....	502
ketones,.....	395	phosphating,.....	54
kinetic parameters,.....	158	photocatalysts,.....	489
La-modified alumina,.....	477	photocatalytic properties,.....	378
lanthanides-doped titania,.....	489	Piperidine,.....	439
L-cysteine modification,.....	210	plasma spraying,.....	133
Lifetimes,.....	465	polarization curves,.....	69, 115
linear dichroism,.....	198	polarization resistance,.....	69
liquid distribution,.....	449, 456	polarization,	150
liquid flow-rate,.....	449	pole density,.....	325, 334
magnesium sulfite hexahydrate,.....	198	Polycaprolactam,.....	346
Magnetic structure,.....	264	Polymer liquid crystals,.....	225
manganese dioxide spinel,.....	7	polymorphic transitions,.....	346
manganese,.....	538	potentiodynamic scan,.....	37
Marcus Equation,.....	383	preliminary treatment,.....	23
Mass transfer,.....	427	pressure drop,.....	456
mechanochemical activation,.....	378	protein crystal nucleation,.....	361
mechanochemical processing,.....	483	proton exchange,.....	276
mediator,.....	81	<i>Pseudomonas</i> sp.,.....	502
metal hydride alloys,.....	111	Pt,.....	164
metal hydrides,.....	483	Pt/Cr/Mn-Ebonex electrocatalyst,.....	138
metallic phase: Co, Ni, Pt, and Ru,	74	Pt-Mg/Ni/Al(O),	164
Mg-air cells,.....	42	PVC membrane,.....	526
MgSO ₃ .6H ₂ O,.....	236	pyrolytic graphite electrode,	81
modelling,.....	203	pyrophosphate,.....	88, 96
molybdenum oxides,	60	radial liquid spreading coefficient,.....	449
monolayer coverage,.....	31	radical scavenging activity,.....	460
morphology,.....	88, 96	rate constants,.....	158
Mössbauer spectroscopy,.....	203	redistribution layer height,.....	449
multi-component reactions,.....	423	redistribution layer,.....	456
multiwalled carbon nanotubes MWCNTs,	74	rhenium alloy,.....	64
<i>N</i> -(5-amino-2-methylphenyl)-4-(3-pyridyl)-2- pyrimidinamine,.....	395	rotating fixed bed,.....	427
nanocrystalline,.....	288	rotating screen disc,.....	427
nanostructured carbons,.....	125	rust converter,.....	69
naphthalene,.....	552	seawater electrolysis,.....	158
neutron diffraction,.....	203	SEM,.....	138
		separation,.....	406

Silica-supported Preyssler nano particles,.....	423	thin films,.....	259, 346
silver-cobalt coatings,.....	88, 96	thin protein solution layers,.....	361
single crystal structure,.....	217	Time-resolved experiments,.....	225
soil improver,.....	510	titania,.....	489
solid solution,.....	288	trace lead and cadmium,.....	210
solid-phase extraction,.....	210	Transition metal oxides,.....	264
solvent extraction,.....	427	tribochemical activation,.....	301
solvolysis,.....	465	ultranano-crystalline diamond films,.....	31
spectroscopy,.....	276	visible light,.....	489
structure,.....	293	Vulcan XC-72,.....	74
steel corrosion,.....	401	waste,.....	510
structure – crystalline solids – 61.66.....	236	wood ash,.....	510
Structure formation,.....	225	XPS,.....	138
structure,.....	346	X-ray diffraction,.....	244, 254, 308, 346
substrate inhibition models,.....	502	X-ray diffractometry,.....	558
sulfuric acid,.....	105	X-ray scattering,.....	225
supercapacitors,.....	125	X-ray,.....	230, 320
superconducting ceramics,.....	320	XRD,.....	138, 301
surface waters,.....	210	Yttrium Doped Barium Cerate,.....	120
symmetrical electrolyte supported half cell,.....	133	zinc coatings,.....	54
synergistic effect,.....	544	zinc electrowinning,.....	37
<i>Tanacetum pinnatum</i> ,.....	532	zinc oxide,.....	259
tap casting,.....	133	zinc recovery,.....	37
tertiary phosphine oxides,.....	244	Zn ion-exchange,.....	217
texture goniometer,.....	334	ZnC ₂ O ₄ .2H ₂ O,.....	538
texture,.....	325, 334	ZnTiO ₃ ,.....	378
TG/DTG,.....	516	α -pinene,.....	532
thermogravimetric and differential thermal analysis (TG-DTA),.....	510	γ -Irradiation,.....	419
thiazolidin,.....	411		