

Kasprzyk-Hordern, B.; Ziólek, M.; Nawrocki, J. Catalytic Ozonation and Methods of Enhancing Molecular Ozone Reactions in Water Treatment. *Applied Catalysis B: Environmental* **2003**, *46* (4), 639–669.

[https://doi.org/10.1016/S0926-3373\(03\)00326-6](https://doi.org/10.1016/S0926-3373(03)00326-6).

Cyt. wg WoS: 952

Nowakowska, Z. A Review of Anti-Infective and Anti-Inflammatory Chalcones. *European Journal of Medicinal Chemistry* **2007**, *42* (2), 125–137.

<https://doi.org/10.1016/j.ejmech.2006.09.019>.

Cyt. wg WoS: 752

Chrzanowska, M.; Rozwadowska, M. D. Asymmetric Synthesis of Isoquinoline Alkaloids. *Chem. Rev.* **2004**, *104* (7), 3341–3370.

<https://doi.org/10.1021/cr030692k>.

Cyt. wg WoS: 609

Nowak, I.; Ziólek, M. Niobium Compounds: Preparation, Characterization, and Application in Heterogeneous Catalysis. *Chem. Rev.* **1999**, *99* (12), 3603–3624.

<https://doi.org/10.1021/cr9800208>.

Cyt. wg WoS: 591

Nawrocki, J. The Silanol Group and Its Role in Liquid Chromatography. *Journal of Chromatography A* **1997**, *779* (1–2), 29–71.

[https://doi.org/10.1016/S0021-9673\(97\)00479-2](https://doi.org/10.1016/S0021-9673(97)00479-2).

Cyt. wg WoS: 568

Nawrocki, J.; Kasprzyk-Hordern, B. The Efficiency and Mechanisms of Catalytic Ozonation. *Applied Catalysis B: Environmental* **2010**, *99* (1–2), 27–42.

<https://doi.org/10.1016/j.apcatb.2010.06.033>.

Cyt. wg WoS: 531

Katritzky, A. R.; Barczynski, P.; Musumarra, G.; Pisano, D.; Szafran, M. Aromaticity as a Quantitative Concept. 1. A Statistical Demonstration of the Orthogonality of Classical and

Magnetic Aromaticity in Five- and Six-Membered Heterocycles. *J. Am. Chem. Soc.* **1989**, *111* (1), 7–15.

<https://doi.org/10.1021/ja00183a002>.

Cyt. wg WoS: 387

Nawrocki, J.; Rigney, M.; McCormick, A.; Carr, P. W. Chemistry of Zirconia and Its Use in Chromatography. *Journal of Chromatography A* **1993**, *657* (2), 229–282.

[https://doi.org/10.1016/0021-9673\(93\)80284-F](https://doi.org/10.1016/0021-9673(93)80284-F).

Cyt. wg WoS: 361

Janowski, R.; Kozak, M.; Jankowska, E.; Grzonka, Z.; Grubb, A.; Abrahamson, M.; Jaskolski, M. Human Cystatin C, an Amyloidogenic Protein, Dimerizes through Three-Dimensional Domain Swapping. *Nat. Struct Biol.* **2001**, *8* (4), 316–320.

<https://doi.org/10.1038/86188>.

Cyt. wg WoS: 340

Szafran, M.; Komasa, A.; Bartoszak-Adamska, E. Crystal and Molecular Structure of 4-Carboxypiperidinium Chloride (4-Piperidinecarboxylic Acid Hydrochloride). *Journal of Molecular Structure* **2007**, *827* (1–3), 101–107.

<https://doi.org/10.1016/j.molstruc.2006.05.012>.

Cyt. wg WoS: 327

Kasprzyk-Hordern, B. Chemistry of Alumina, Reactions in Aqueous Solution and Its Application in Water Treatment. *Advances in Colloid and Interface Science* **2004**, *110* (1–2), 19–48.

<https://doi.org/10.1016/j.cis.2004.02.002>.

Cyt. wg WoS: 323

Marciniak, B. Catalysis by Transition Metal Complexes of Alkene Silylation—Recent Progress and Mechanistic Implications. *Coordination Chemistry Reviews* **2005**, *249* (21–22), 2374–2390.

<https://doi.org/10.1016/j.ccr.2005.02.025>.

Cyt. wg WoS: 315

Kacprzak, K.; Gawroński, J. Cinchona Alkaloids and Their Derivatives: Versatile Catalysts and Ligands in Asymmetric Synthesis. *Synthesis* **2004**, 2001 (07), s-2001-14560.

<https://doi.org/10.1055/s-2001-14560>.

Cyt. wg WoS: 300

Świetlik, J.; Dąbrowska, A.; Raczyk-Stanisławiak, U.; Nawrocki, J. Reactivity of Natural Organic Matter Fractions with Chlorine Dioxide and Ozone. *Water Research* **2004**, 38 (3), 547–558.

<https://doi.org/10.1016/j.watres.2003.10.034>.

Cyt. wg WoS: 297

Nawrocki, J.; Dunlap, C.; McCormick, A.; Carr, P. W. Part I. Chromatography Using Ultra-Stable Metal Oxide-Based Stationary Phases for HPLC. *Journal of Chromatography A* **2004**, 1028 (1), 1–30.

<https://doi.org/10.1016/j.chroma.2003.11.052>.

Cyt. wg WoS: 280

Buono-core, G. E.; Li, H.; Marciniak, B. Quenching of Excited States by Lanthanide Ions and Chelates in Solution. *Coordination Chemistry Reviews* **1990**, 99, 55–87.

[https://doi.org/10.1016/0010-8545\(90\)80060-7](https://doi.org/10.1016/0010-8545(90)80060-7).

Cyt. wg WoS: 280

Kleperis, J.; Wójcik, G.; Czerwinski, A.; Skowronski, J.; Kopczyk, M.; Beltowska-Brzezinska, M. Electrochemical Behavior of Metal Hydrides. *J Solid State Electrochem* **2001**, 5 (4), 229–249.

<https://doi.org/10.1007/s100080000149>.

Cyt. wg WoS: 275

Ziolek, M. Niobium-Containing Catalysts—the State of the Art. *Catalysis Today* **2003**, 78 (1–4), 47–64.

[https://doi.org/10.1016/S0920-5861\(02\)00340-1](https://doi.org/10.1016/S0920-5861(02)00340-1).

Cyt. wg WoS: 270

Khatib, F.; DiMaio, F.; Cooper, S.; Kazmierczyk, M.; Gilski, M.; Krzywda, S.; Zabranska, H.; Pichova, I.; Thompson, J.; Popović, Z.; Jaskolski, M.; Baker, D. Crystal Structure of a Monomeric Retroviral Protease Solved by Protein Folding Game Players. *Nat Struct Mol Biol* **2011**, *18* (10), 1175–1177.

<https://doi.org/10.1038/nsmb.2119>.

Cyt. wg WoS: 258

Dolbier, W. R.; Koroniak, H.; Houk, K. N.; Sheu, C. Electronic Control of Stereoselectivities of Electrocyclic Reactions of Cyclobutenes: A Triumph of Theory in the Prediction of Organic Reactions. *Acc. Chem. Res.* **1996**, *29* (10), 471–477.

<https://doi.org/10.1021/ar9501986>.

Cyt. wg WoS: 244

Gawronski, J.; Wascinska, N.; Gajewy, J. Recent Progress in Lewis Base Activation and Control of Stereoselectivity in the Additions of Trimethylsilyl Nucleophiles. *Chem. Rev.* **2008**, *108* (12), 5227–5252.

<https://doi.org/10.1021/cr800421c>.

Cyt. wg WoS: 240

Maciejewski, Andrzej.; Steer, R. P. The Photophysics, Physical Photochemistry, and Related Spectroscopy of Thiocarbonyls. *Chem. Rev.* **1993**, *93* (1), 67–98.

<https://doi.org/10.1021/cr00017a005>.

Cyt. wg WoS: 238

Przybylski, P.; Huczynski, A.; Pyta, K.; Brzezinski, B.; Bartl, F. Biological Properties of Schiff Bases and Azo Derivatives of Phenols. *COC* **2009**, *13* (2), 124–148.

<https://doi.org/10.2174/138527209787193774>.

Cyt. wg WoS: 227

Mohr, P.; Waespe-?ar?evi?, N.; Tamm, C.; Gawronska, K.; Gawronski, J. K. A Study of Stereoselective Hydrolysis of Symmetrical Diesters with Pig Liver Esterase. *Helv. Chim. Acta* **1983**, *66* (8), 2501–2511.

<https://doi.org/10.1002/hlca.19830660815>.

Cyt. wg WoS: 225

Katrusiak, A.; Szafranski, M. Ferroelectricity in NH \cdots N Hydrogen Bonded Crystals. *Phys. Rev. Lett.* **1999**, 82 (3), 576–579.

<https://doi.org/10.1103/PhysRevLett.82.576>.

Cyt. wg WoS: 218

Elbanowski, M.; Mąkowska, B. The Lanthanides as Luminescent Probes in Investigations of Biochemical Systems. *Journal of Photochemistry and Photobiology A: Chemistry* **1996**, 99 (2–3), 85–92.

[https://doi.org/10.1016/S1010-6030\(96\)04417-6](https://doi.org/10.1016/S1010-6030(96)04417-6).

Cyt. wg WoS: 218

Radecka-Paryzek, W.; Patroniak, V.; Lisowski, J. Metal Complexes of Polyaza and Polyoxaaza Schiff Base Macrocycles. *Coordination Chemistry Reviews* **2005**, 249 (21–22), 2156–2175.

<https://doi.org/10.1016/j.ccr.2005.02.021>.

Cyt. wg WoS: 216

Reszczyńska, J.; Grzyb, T.; Sobczak, J. W.; Lisowski, W.; Gazda, M.; Ohtani, B.; Zaleska, A. Visible Light Activity of Rare Earth Metal Doped (Er³⁺, Yb³⁺ or Er³⁺/Yb³⁺) Titania Photocatalysts. *Applied Catalysis B: Environmental* **2015**, 163, 40–49.

<https://doi.org/10.1016/j.apcatb.2014.07.010>.

Cyt. wg WoS: 215

Golczak, S.; Kanciurzevska, A.; Fahlman, M.; Langer, K.; Langer, J. Comparative XPS Surface Study of Polyaniline Thin Films. *Solid State Ionics* **2008**, 179 (39), 2234–2239.

<https://doi.org/10.1016/j.ssi.2008.08.004>.

Cyt. wg WoS: 214

Jurewicz, K.; Babel, K.; Żiółkowski, A.; Wachowska, H. Ammoxidation of Active Carbons for Improvement of Supercapacitor Characteristics. *Electrochimica Acta* **2003**, 48 (11), 1491–1498.

[https://doi.org/10.1016/S0013-4686\(03\)00035-5](https://doi.org/10.1016/S0013-4686(03)00035-5).

Cyt. wg WoS: 209

Kosman, J.; Juskowiak, B. Peroxidase-Mimicking DNAzymes for Biosensing Applications: A Review. *Analytica Chimica Acta* **2011**, *707* (1–2), 7–17.

<https://doi.org/10.1016/j.aca.2011.08.050>.

Cyt. wg WoS: 204

Rozwadowska, M. Recent Progress in the Enantioselective Synthesis of Isoquinoline Alkaloids. *HETEROCYCLES* **1994**, *39* (2), 903.

[https://doi.org/10.3987/REV-94-SR\(B\)4](https://doi.org/10.3987/REV-94-SR(B)4).

Cyt. wg WoS: 194

Pietrzak, R. XPS Study and Physico-Chemical Properties of Nitrogen-Enriched Microporous Activated Carbon from High Volatile Bituminous Coal. *Fuel* **2009**, *88* (10), 1871–1877.

<https://doi.org/10.1016/j.fuel.2009.04.017>.

Cyt. wg WoS: 190

Mitroy, J.; Bubin, S.; Horiuchi, W.; Suzuki, Y.; Adamowicz, L.; Cencek, W.; Szalewicz, K.; Komasa, J.; Blume, D.; Varga, K. Theory and Application of Explicitly Correlated Gaussians. *Rev. Mod. Phys.* **2013**, *85* (2), 693–749.

<https://doi.org/10.1103/RevModPhys.85.693>.

Cyt. wg WoS: 187

Szafrański, M.; Katrusiak, A.; McIntyre, G. J. Ferroelectric Order of Parallel Bistable Hydrogen Bonds. *Phys. Rev. Lett.* **2002**, *89* (21), 215507.

<https://doi.org/10.1103/PhysRevLett.89.215507>.

Cyt. wg WoS: 184

Piechalak, A.; Tomaszewska, B.; Baralkiewicz, D.; Malecka, A. Accumulation and Detoxification of Lead Ions in Legumes. *Phytochemistry* **2002**, *60* (2), 153–162.

[https://doi.org/10.1016/S0031-9422\(02\)00067-5](https://doi.org/10.1016/S0031-9422(02)00067-5).

Cyt. wg WoS: 179

Cencek, W.; Przybytek, M.; Komasa, J.; Mehl, J. B.; Jeziorski, B.; Szalewicz, K. Effects of Adiabatic, Relativistic, and Quantum Electrodynamics Interactions on the Pair Potential and Thermophysical Properties of Helium. *The Journal of Chemical Physics* **2012**, *136* (22), 224303.

<https://doi.org/10.1063/1.4712218>.

Cyt. wg WoS: 175

Nawrocki, J.; Buszewski, B. Influence of Silica Surface Chemistry and Structure on the Properties, Structure and Coverage of Alkyl-Bonded Phases for High-Performance Liquid Chromatography. *Journal of Chromatography A* **1988**, *449*, 1–24.

[https://doi.org/10.1016/S0021-9673\(00\)94364-4](https://doi.org/10.1016/S0021-9673(00)94364-4).

Cyt. wg WoS: 171

Herrero, E.; Kolmos, E.; Bujdoso, N.; Yuan, Y.; Wang, M.; Berns, M. C.; Uhlworm, H.; Coupland, G.; Saini, R.; Jaskolski, M.; Webb, A.; Gonçalves, J.; Davis, S. J. EARLY FLOWERING4 Recruitment of EARLY FLOWERING3 in the Nucleus Sustains the *Arabidopsis* Circadian Clock. *Plant Cell* **2012**, *24* (2), 428–443.

<https://doi.org/10.1105/tpc.111.093807>.

Cyt. wg WoS: 170

Lis, S.; Elbanowski, M.; Mąkowska, B.; Hnatejko, Z. Energy Transfer in Solution of Lanthanide Complexes. *Journal of Photochemistry and Photobiology A: Chemistry* **2002**, *150* (1–3), 233–247.

[https://doi.org/10.1016/S1010-6030\(01\)00637-2](https://doi.org/10.1016/S1010-6030(01)00637-2).

Cyt. wg WoS: 169

Kłonkowski, A. M.; Lis, S.; Pietraszkiewicz, M.; Hnatejko, Z.; Czarnobaj, K.; Elbanowski, M. Luminescence Properties of Materials with Eu(III) Complexes: Role of Ligand, Coligand, Anion, and Matrix. *Chem. Mater.* **2003**, *15* (3), 656–663.

<https://doi.org/10.1021/cm0202557>.

Cyt. wg WoS: 168

Łuczak, T. Preparation and Characterization of the Dopamine Film Electrochemically Deposited on a Gold Template and Its Applications for Dopamine Sensing in Aqueous Solution. *Electrochimica Acta* **2008**, *53* (19), 5725–5731.

<https://doi.org/10.1016/j.electacta.2008.03.052>.

Cyt. wg WoS: 166

Black, S. P.; Sanders, J. K. M.; Stefankiewicz, A. R. Disulfide Exchange: Exposing Supramolecular Reactivity through Dynamic Covalent Chemistry. *Chem. Soc. Rev.* **2014**, *43* (6), 1861–1872.

<https://doi.org/10.1039/C3CS60326A>.

Cyt. wg WoS: 165

Nagatoishi, S.; Nojima, T.; Juskowiak, B.; Takenaka, S. A Pyrene-Labeled G-Quadruplex Oligonucleotide as a Fluorescent Probe for Potassium Ion Detection in Biological Applications. *Angew. Chem. Int. Ed.* **2005**, *44* (32), 5067–5070.

<https://doi.org/10.1002/anie.200501506>.

Cyt. wg WoS: 164

Szafran, M.; Karelson, M. M.; Katritzky, A. R.; Koput, J.; Zerner, M. C. Reconsideration of Solvent Effects Calculated by Semiempirical Quantum Chemical Methods. *J. Comput. Chem.* **1993**, *14* (3), 371–377.

<https://doi.org/10.1002/jcc.540140312>.

Cyt. wg WoS: 162

Koput, J.; Peterson, K. A. Ab Initio Potential Energy Surface and Vibrational–Rotational Energy Levels of $X^2\Sigma^+CaOH$. *J. Phys. Chem. A* **2002**, *106* (41), 9595–9599.

<https://doi.org/10.1021/jp026283u>.

Cyt. wg WoS: 161

Nawrocki, J. Silica Surface Controversies, Strong Adsorption Sites, Their Blockage and Removal. Part I. *Chromatographia* **1991**, *31* (3–4), 177–192.

<https://doi.org/10.1007/BF02274570>.

Cyt. wg WoS: 159

Chrzanowska, M.; Grajewska, A.; Rozwadowska, M. D. Asymmetric Synthesis of Isoquinoline Alkaloids: 2004–2015. *Chem. Rev.* **2016**, *116* (19), 12369–12465.

<https://doi.org/10.1021/acs.chemrev.6b00315>.

Cyt. wg WoS: 159

Nawrocki, J.; Dunlap, C.; Li, J.; Zhao, J.; McNeff, C. V.; McCormick, A.; Carr, P. W. Part II. Chromatography Using Ultra-Stable Metal Oxide-Based Stationary Phases for HPLC. *Journal of Chromatography A* **2004**, *1028* (1), 31–62.

<https://doi.org/10.1016/j.chroma.2003.11.050>.

Cyt. wg WoS: 157

Saha, B. K.; Nangia, A.; Jaskólski, M. Crystal Engineering with Hydrogen Bonds and Halogen Bonds. *CrystEngComm* **2005**, *7* (58), 355.

<https://doi.org/10.1039/b501693b>.

Cyt. wg WoS: 154