

Pavel Martasek

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241
papers

10,829
citations

52
h-index

97
g-index

265
ext. papers

11,459
ext. citations

5.7
avg, IF

5.57
L-index

| # | Paper | IF | Citations |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 241 | Molecular characterization of a novel His333Arg variant of human protoporphyrinogen oxidase IX.. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 588, 182-186 | 3.4 | |
| 240 | Circulating Tumour Cells (CTCs) in NSCLC: From Prognosis to Therapy Design. <i>Pharmaceutics</i> , 2021 , 13, | 6.4 | 3 |
| 239 | Heterologous expression and purification of recombinant human protoporphyrinogen oxidase IX: A comparative study. <i>PLoS ONE</i> , 2021 , 16, e0259837 | 3.7 | 1 |
| 238 | Novel Mitochondria-targeted Drugs for Cancer Therapy. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021 , 21, 816-832 | 3.2 | 4 |
| 237 | Spectroscopic study of in situ-formed metallocomplexes of proton pump inhibitors in water. <i>Chemical Biology and Drug Design</i> , 2021 , 97, 305-314 | 2.9 | 2 |
| 236 | Iron Complexes of Flavonoids-Antioxidant Capacity and Beyond. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 10 |
| 235 | PPO-Inhibiting Herbicides and Structurally Relevant Schiff Bases: Evaluation of Inhibitory Activities against Human Protoporphyrinogen Oxidase. <i>Processes</i> , 2021 , 9, 383 | 2.9 | 0 |
| 234 | Formaldehyde Reacts with Amino Acids and Peptides with a Potential Role in Acute Methanol Intoxication. <i>Journal of Analytical Toxicology</i> , 2020 , 44, 880-885 | 2.9 | 2 |
| 233 | Anticancer pentamethinium salt is a potent photosensitizer inducing mitochondrial disintegration and apoptosis upon red light illumination. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 209, 111939 | 6.7 | 2 |
| 232 | Role of mtDNA disturbances in the pathogenesis of Alzheimer's and Parkinson's disease. <i>DNA Repair</i> , 2020 , 91-92, 102871 | 4.3 | 9 |
| 231 | Coumarin Tröger's base derivatives with cyanine substitution as selective and sensitive fluorescent lysosomal probes. <i>Bioorganic Chemistry</i> , 2020 , 94, 103447 | 5.1 | 3 |
| 230 | Changes of BMI, steroid metabolome and psychopathology in patients with anorexia nervosa during hospitalization. <i>Steroids</i> , 2020 , 153, 108523 | 2.8 | 3 |
| 229 | Highly selective mitochondrial probes based on fluorinated pentamethinium salts: On two-photon properties and microscopic applications. <i>Dyes and Pigments</i> , 2020 , 172, 107802 | 4.6 | 2 |
| 228 | A Cyclic Pentamethinium Salt Induces Cancer Cell Cytotoxicity through Mitochondrial Disintegration and Metabolic Collapse. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 4 |
| 227 | International Porphyria Molecular Diagnostic Collaborative: an evidence-based database of verified pathogenic and benign variants for the porphyrias. <i>Genetics in Medicine</i> , 2019 , 21, 2605-2613 | 8.1 | 11 |
| 226 | Strategy for improved therapeutic efficiency of curcumin in the treatment of gastric cancer. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 118, 109278 | 7.5 | 22 |
| 225 | Pigments from Filamentous Ascomycetes for Combination Therapy. <i>Current Medicinal Chemistry</i> , 2019 , 26, 3812-3834 | 4.3 | |

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| 224 | Hydrazones as novel epigenetic modulators: Correlation between TET 1 protein inhibition activity and their iron(II) binding ability. <i>Bioorganic Chemistry</i> , 2019 , 88, 102809 | 5.1 | 6 |
| 223 | Benzoisothiazole-1,1-dioxide-based synthetic receptor for zinc ion recognition in aqueous medium and its interaction with nucleic acids. <i>Supramolecular Chemistry</i> , 2019 , 31, 19-27 | 1.8 | 4 |
| 222 | Pentamethinium salts as ligands for cancer: Sulfated polysaccharide co-receptors as possible therapeutic target. <i>Bioorganic Chemistry</i> , 2019 , 82, 74-85 | 5.1 | 3 |
| 221 | Epigenetic agents in combined anticancer therapy. <i>Future Medicinal Chemistry</i> , 2018 , 10, 1113-1130 | 4.1 | 13 |
| 220 | Perimidine-based synthetic receptors for determination of copper(II) in water solution. <i>Supramolecular Chemistry</i> , 2018 , 30, 218-226 | 1.8 | 7 |
| 219 | Interplay between the APOE Genotype and Possible Plasma Biomarkers in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2018 , 15, 938-950 | 3 | 10 |
| 218 | Diagnostic exome sequencing in early-onset Parkinson's disease confirms VPS13C as a rare cause of autosomal-recessive Parkinson's disease. <i>Clinical Genetics</i> , 2018 , 93, 603-612 | 4 | 41 |
| 217 | Interactions Among Polymorphisms of Susceptibility Loci for Alzheimer's Disease or Depressive Disorder. <i>Medical Science Monitor</i> , 2018 , 24, 2599-2619 | 3.2 | 13 |
| 216 | Water soluble chromone Schiff base derivatives as fluorescence receptor for aluminium(III). <i>Supramolecular Chemistry</i> , 2017 , 29, 1-7 | 1.8 | 21 |
| 215 | Optical probes and sensors as perspective tools in epigenetics. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 2295-2306 | 3.4 | 3 |
| 214 | Methinium colorimetric sensors for the determination of cholesterol sulfate in an aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2017 , 245, 1032-1038 | 8.5 | 3 |
| 213 | Supramolecular Approach in Photodynamic and Photothermal Therapies 2017 , 421-440 | | |
| 212 | Dimethinium Heteroaromatic Salts as Building Blocks for Dual-Fluorescence Intracellular Probes. <i>ChemPhotoChem</i> , 2017 , 1, 442-450 | 3.3 | 2 |
| 211 | Hydrophilic, Potent, and Selective 7-Substituted 2-Aminoquinolines as Improved Human Neuronal Nitric Oxide Synthase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 7146-7165 | 8.3 | 11 |
| 210 | Molecular Diagnostics of Copper-Transporting Protein Mutations Allows Early Onset Individual Therapy of Menkes Disease. <i>Folia Biologica</i> , 2017 , 63, 165-173 | 0.7 | 2 |
| 209 | Aluminium(III) sensing by pyridoxal hydrazone utilising the chelation enhanced fluorescence effect. <i>Journal of Luminescence</i> , 2016 , 180, 269-277 | 3.8 | 30 |
| 208 | Specific ligands based on Tröger's base derivatives for the recognition of glycosaminoglycans. <i>Dyes and Pigments</i> , 2016 , 134, 212-218 | 4.6 | 8 |
| 207 | Genetic and biochemical study of dual hereditary jaundice: Dubin-Johnson and Gilbert's syndromes. Haplotyping and founder effect of deletion in ABCC2. <i>European Journal of Human Genetics</i> , 2016 , 24, 704-9 | 5.3 | 7 |

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| 206 | MECP2 mutations in Czech patients with Rett syndrome and Rett-like phenotypes: novel mutations, genotype-phenotype correlations and validation of high-resolution melting analysis for mutation scanning. <i>Journal of Human Genetics</i> , 2016 , 61, 617-25 | 4.3 | 5 |
| 205 | Mitochondrial Respiration in the Platelets of Patients with Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2016 , 13, 930-41 | 3 | 52 |
| 204 | Eight mutations including 5 novel ones in the COL1A1 gene in Czech patients with osteogenesis imperfecta. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2016 , 160, 442-7 | 1.7 | 6 |
| 203 | Potent and Selective Human Neuronal Nitric Oxide Synthase Inhibition by Optimization of the 2-Aminopyridine-Based Scaffold with a Pyridine Linker. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 4913-25 | 8.3 | 13 |
| 202 | Instability of the Human Cytochrome P450 Reductase A287P Variant Is the Major Contributor to Its Antley-Bixler Syndrome-like Phenotype. <i>Journal of Biological Chemistry</i> , 2016 , 291, 20487-502 | 5.4 | 16 |
| 201 | RGS2 expression predicts amyloid- β sensitivity, MCI and Alzheimer's disease: genome-wide transcriptomic profiling and bioinformatics data mining. <i>Translational Psychiatry</i> , 2016 , 6, e909 | 8.6 | 19 |
| 200 | Novel CDKL5 Mutations in Czech Patients with Phenotypes of Atypical Rett Syndrome and Early-Onset Epileptic Encephalopathy. <i>Folia Biologica</i> , 2016 , 62, 67-74 | 0.7 | |
| 199 | Genetic variations in NADPH-CYP450 oxidoreductase in a Czech Slavic cohort. <i>Pharmacogenomics</i> , 2015 , 16, 205-15 | 2.6 | 4 |
| 198 | 2-Aminopyridines with a Truncated Side Chain To Improve Human Neuronal Nitric Oxide Synthase Inhibitory Potency and Selectivity. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 5548-60 | 8.3 | 17 |
| 197 | Phenyl Ether- and Aniline-Containing 2-Aminoquinolines as Potent and Selective Inhibitors of Neuronal Nitric Oxide Synthase. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 8694-712 | 8.3 | 17 |
| 196 | Striking antitumor activity of a methinium system with incorporated quinoxaline unit obtained by spontaneous cyclization. <i>ChemBioChem</i> , 2015 , 16, 555-8 | 3.8 | 5 |
| 195 | New method for recognition of sterol signalling molecules: methinium salts as receptors for sulphated steroids. <i>Steroids</i> , 2015 , 94, 15-20 | 2.8 | 5 |
| 194 | Novel 2,4-disubstituted pyrimidines as potent, selective, and cell-permeable inhibitors of neuronal nitric oxide synthase. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 1067-88 | 8.3 | 24 |
| 193 | Hepatoerythropoietic Porphyria Caused by a Novel Homoallelic Mutation in Uroporphyrinogen Decarboxylase Gene in Egyptian Patients. <i>Folia Biologica</i> , 2015 , 61, 219-26 | 0.7 | 2 |
| 192 | A Novel Mutation in the FECH Gene in a Czech Family with Erythropoietic Protoporphyrin and a Population Study of IVS3-48C Variant Contributing to the Disease. <i>Folia Biologica</i> , 2015 , 61, 227-32 | 0.7 | 1 |
| 191 | An Accessible Chiral Linker to Enhance Potency and Selectivity of Neuronal Nitric Oxide Synthase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 56-60 | 4.3 | 12 |
| 190 | Potent and selective double-headed thiophene-2-carboximidamide inhibitors of neuronal nitric oxide synthase for the treatment of melanoma. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 686-700 | 8.3 | 33 |
| 189 | Holoenzyme structures of endothelial nitric oxide synthase - an allosteric role for calmodulin in pivoting the FMN domain for electron transfer. <i>Journal of Structural Biology</i> , 2014 , 188, 46-54 | 3.4 | 28 |

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| 188 | Combination of chiral linkers with thiophenecarboximidamide heads to improve the selectivity of inhibitors of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 4504-4510 | 2.9 | 7 |
| 187 | Simplified 2-aminoquinoline-based scaffold for potent and selective neuronal nitric oxide synthase inhibition. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 1513-30 | 8.3 | 34 |
| 186 | Nitric oxide synthase inhibitors that interact with both heme propionate and tetrahydrobiopterin show high isoform selectivity. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 4382-96 | 8.3 | 15 |
| 185 | Pentamethinium fluorescent probes: The impact of molecular structure on photophysical properties and subcellular localization. <i>Dyes and Pigments</i> , 2014 , 107, 51-59 | 4.6 | 11 |
| 184 | Design, Synthesis, Selective Recognition Properties and Targeted Drug Delivery Application. <i>Handbook of Porphyrin Science</i> , 2014 , 1-75 | 0.3 | 2 |
| 183 | Parkin (PARK 2) mutations are rare in Czech patients with early-onset Parkinson's disease. <i>PLoS ONE</i> , 2014 , 9, e107585 | 3.7 | 11 |
| 182 | Cyclopropyl- and methyl-containing inhibitors of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 1333-43 | 3.4 | 14 |
| 181 | Rational design of chemical ligands for selective mitochondrial targeting. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1445-54 | 6.3 | 24 |
| 180 | Structure-guided design of selective inhibitors of neuronal nitric oxide synthase. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 3024-32 | 8.3 | 25 |
| 179 | Mutations in ANTXR1 cause GAPO syndrome. <i>American Journal of Human Genetics</i> , 2013 , 92, 792-9 | 11 | 60 |
| 178 | Chiral linkers to improve selectivity of double-headed neuronal nitric oxide synthase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5674-9 | 2.9 | 9 |
| 177 | In search of potent and selective inhibitors of neuronal nitric oxide synthase with more simple structures. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 5323-31 | 3.4 | 7 |
| 176 | Effects of high tidal volume mechanical ventilation on production of cytokines, iNOS, and MIP-1 α proteins in pigs. <i>Experimental Lung Research</i> , 2013 , 39, 1-8 | 2.3 | 6 |
| 175 | Prediction of coronary vessel involvement on the basis of atherosclerosis risk factor analysis. <i>Bratislava Medical Journal</i> , 2013 , 114, 413-7 | 1.7 | |
| 174 | Methylated N(ω)-hydroxy-L-arginine analogues as mechanistic probes for the second step of the nitric oxide synthase-catalyzed reaction. <i>Biochemistry</i> , 2013 , 52, 3062-73 | 3.2 | 11 |
| 173 | A novel sorbent for chromatographic separations: a silica matrix modified with non-covalently bonded tetrakis(β -cyclodextrin)-porphyrin conjugates. <i>Journal of Separation Science</i> , 2013 , 36, 2072-80 | 3.4 | 4 |
| 172 | Immunomagnetic molecular probe with UHPLC-MS/MS: a promising way for reliable bronchial asthma diagnostics based on quantification of cysteinyl leukotrienes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 81-82, 108-17 | 3.5 | 7 |
| 171 | Stress perception and (GT) n repeat polymorphism in haem oxygenase 1 promoter are both risk factors in development of eating disorders. <i>Folia Biologica</i> , 2013 , 59, 233-9 | 0.7 | |

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| 170 | Intramolecular hydrogen bonding: a potential strategy for more bioavailable inhibitors of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 2435-43 | 3.4 | 28 |
| 169 | Combination of two chromophores: synthesis and PDT application of porphyrin-pentamethinium conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 82-4 | 2.9 | 15 |
| 168 | Virtual histology evaluation of atherosclerosis regression during atorvastatin and ezetimibe administration: HEAVEN study. <i>Circulation Journal</i> , 2012 , 76, 176-83 | 2.9 | 52 |
| 167 | Selective monocationic inhibitors of neuronal nitric oxide synthase. Binding mode insights from molecular dynamics simulations. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11559-72 | 16.4 | 20 |
| 166 | Nitric oxide synthases activation and inhibition by metallacarborane-cluster-based isoform-specific effectors. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 9541-8 | 8.3 | 18 |
| 165 | Supramolecular approach for target transport of photodynamic anticancer agents. <i>Supramolecular Chemistry</i> , 2012 , 24, 106-116 | 1.8 | 9 |
| 164 | Decreased serum antioxidant capacity in patients with Wilson disease is associated with neurological symptoms. <i>Journal of Inherited Metabolic Disease</i> , 2012 , 35, 541-8 | 5.4 | 24 |
| 163 | Identification of six novel P450 oxidoreductase missense variants in Ashkenazi and Moroccan Jewish populations. <i>Pharmacogenomics</i> , 2012 , 13, 543-54 | 2.6 | 12 |
| 162 | Symmetric double-headed aminopyridines, a novel strategy for potent and membrane-permeable inhibitors of neuronal nitric oxide synthase. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 2039-48 | 8.3 | 33 |
| 161 | Mutations of human cytochrome P450 reductase differentially modulate heme oxygenase-1 activity and oligomerization. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 513, 42-50 | 4.1 | 17 |
| 160 | NOA1 is an essential GTPase required for mitochondrial protein synthesis. <i>Molecular Biology of the Cell</i> , 2011 , 22, 1-11 | 3.5 | 44 |
| 159 | Long-term follow-up of Wilson disease: natural history, treatment, mutations analysis and phenotypic correlation. <i>Liver International</i> , 2011 , 31, 83-91 | 7.9 | 84 |
| 158 | Coordination conjugates of therapeutic proteins with drug carriers: a new approach for versatile advanced drug delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 5514-20 | 2.9 | 27 |
| 157 | Structural basis for human NADPH-cytochrome P450 oxidoreductase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 13486-91 | 11.5 | 89 |
| 156 | Improved synthesis of chiral pyrrolidine inhibitors and their binding properties to neuronal nitric oxide synthase. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 6399-403 | 8.3 | 8 |
| 155 | Adipocyte heme oxygenase-1 induction attenuates metabolic syndrome in both male and female obese mice. <i>Hypertension</i> , 2010 , 56, 1124-30 | 8.5 | 96 |
| 154 | APOE epsilon4: a potential modulation factor in Rett syndrome. <i>Journal of Child Neurology</i> , 2010 , 25, 546-50 | 2.5 | 1 |
| 153 | Potent, highly selective, and orally bioavailable gem-difluorinated monocationic inhibitors of neuronal nitric oxide synthase. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14229-38 | 16.4 | 47 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| 152 | Heme-coordinating inhibitors of neuronal nitric oxide synthase. Iron-thioether coordination is stabilized by hydrophobic contacts without increased inhibitor potency. <i>Journal of the American Chemical Society</i> , 2010 , 132, 798-806 | 16.4 | 18 |
| 151 | Lichen sclerosus et atrophicus-like skin lesions in a patient carrying a novel hydroxymethylbilane synthase mutation. <i>Blood Cells, Molecules, and Diseases</i> , 2010 , 45, 176-9 | 2.1 | |
| 150 | Porphyrin-cyclodextrin conjugates as a nanosystem for versatile drug delivery and multimodal cancer therapy. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 128-38 | 8.3 | 106 |
| 149 | Exploration of the active site of neuronal nitric oxide synthase by the design and synthesis of pyrrolidinomethyl 2-aminopyridine derivatives. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 7804-24 | 8.3 | 40 |
| 148 | Selective recognition of a saccharide-type tumor marker with natural and synthetic ligands: a new trend in cancer diagnosis. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1865-70 | 4.4 | 17 |
| 147 | Structure-based design, synthesis, and biological evaluation of lipophilic-tailed monocationic inhibitors of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 6526-37 | 3.4 | 15 |
| 146 | Potent and selective neuronal nitric oxide synthase inhibitors with improved cellular permeability. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 554-7 | 2.9 | 25 |
| 145 | Peripheral but crucial: a hydrophobic pocket (Tyr(706), Leu(337), and Met(336)) for potent and selective inhibition of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 6258-61 | 2.9 | 17 |
| 144 | Influence of the lung mechanical ventilation with injurious parameters on 7-ketocholesterol synthesis in Sus Scrofa. <i>BMB Reports</i> , 2010 , 43, 257-62 | 5.5 | 2 |
| 143 | Parkin mutations and phenotypic features in Czech patients with early-onset Parkinson's disease. <i>Neuroendocrinology Letters</i> , 2010 , 31, 187-92 | 0.3 | 5 |
| 142 | Synthesis and enzymatic evaluation of 2- and 4-aminothiazole-based inhibitors of neuronal nitric oxide synthase. <i>Beilstein Journal of Organic Chemistry</i> , 2009 , 5, 28 | 2.5 | 11 |
| 141 | Selective neuronal nitric oxide synthase inhibitors and the prevention of cerebral palsy. <i>Annals of Neurology</i> , 2009 , 65, 209-17 | 9.4 | 71 |
| 140 | NO formation by neuronal NO-synthase can be controlled by ultrafast electron injection from a nanotrigger. <i>ChemBioChem</i> , 2009 , 10, 690-701 | 3.8 | 12 |
| 139 | N-acetyl cysteine averted liver transplantation in a patient with liver failure caused by erythropoietic protoporphyria. <i>Liver Transplantation</i> , 2009 , 15, 352-4 | 4.5 | 6 |
| 138 | Czech bibliometric system fosters mediocre research. <i>Nature</i> , 2009 , 460, 1079 | 50.4 | 1 |
| 137 | Acute intermittent porphyria--impact of mutations found in the hydroxymethylbilane synthase gene on biochemical and enzymatic protein properties. <i>FEBS Journal</i> , 2009 , 276, 2106-15 | 5.7 | 10 |
| 136 | Analogues of 2-aminopyridine-based selective inhibitors of neuronal nitric oxide synthase with increased bioavailability. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 2371-80 | 3.4 | 36 |
| 135 | Detection of DNA variations in the polymorphic hydroxymethylbilane synthase gene by high-resolution melting analysis. <i>Analytical Biochemistry</i> , 2009 , 395, 41-8 | 3.1 | 5 |

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| 134 | Discovery of highly potent and selective inhibitors of neuronal nitric oxide synthase by fragment hopping. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 779-97 | 8.3 | 78 |
| 133 | Correlation between biochemical findings, structural and enzymatic abnormalities in mutated HMBS identified in six Israeli families with acute intermittent porphyria. <i>Blood Cells, Molecules, and Diseases</i> , 2009 , 42, 167-73 | 2.1 | 7 |
| 132 | Methyl Gallate as the Framework for the Construction of Fluorous Building Blocks. <i>Synthetic Communications</i> , 2009 , 40, 247-256 | 1.7 | 2 |
| 131 | Isoform-specific differences in the nitrite reductase activity of nitric oxide synthases under hypoxia. <i>Biochemical Journal</i> , 2009 , 418, 673-82 | 3.8 | 36 |
| 130 | Synthesis of unsymmetric cyanine dye via merocyanine and their interaction with DNA. <i>Collection of Czechoslovak Chemical Communications</i> , 2009 , 74, 1081-1090 | | 6 |
| 129 | Glycol porphyrin derivatives as potent photodynamic inducers of apoptosis in tumor cells. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 5964-73 | 8.3 | 58 |
| 128 | P49. Only eNOS among the NOS isoforms is a nitrite reductase under hypoxia. <i>Nitric Oxide - Biology and Chemistry</i> , 2008 , 19, 54 | 5 | |
| 127 | Characterization of two missense variants in the hydroxymethylbilane synthase gene in the Israeli population, which differ in their associations with acute intermittent porphyria. <i>Molecular Genetics and Metabolism</i> , 2008 , 94, 343-6 | 3.7 | 8 |
| 126 | Optical sensing of sulfate by polymethinium salt receptors: colorimetric sensor for heparin. <i>Chemical Communications</i> , 2008 , 1901-3 | 5.8 | 57 |
| 125 | Minimal pharmacophoric elements and fragment hopping, an approach directed at molecular diversity and isozyme selectivity. Design of selective neuronal nitric oxide synthase inhibitors. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3900-14 | 16.4 | 88 |
| 124 | Synthesis of Highly Functionalized Fluorinated Porphyrins. <i>Supramolecular Chemistry</i> , 2008 , 20, 237-242 | 1.8 | 15 |
| 123 | Electrophilic polyfluoroalkylating agents based on sulfonate esters. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 235-247 | 2.1 | 12 |
| 122 | Two photon-induced electron injection from a nanotrigger in native endothelial NO-synthase. <i>ChemPhysChem</i> , 2008 , 9, 2325-31 | 3.2 | 13 |
| 121 | Defects in ATP Dependent Canalicular Transporter ABCC2. Mutation Study of ABCC2 Gene in a Large Family with Dubin-Johnson syndrome.. <i>FASEB Journal</i> , 2008 , 22, 813.6 | 0.9 | |
| 120 | Structure-based design and synthesis of N(omega)-nitro-L-arginine-containing peptidomimetics as selective inhibitors of neuronal nitric oxide synthase. Displacement of the heme structural water. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 2089-99 | 8.3 | 28 |
| 119 | Selective L-nitroargininylaminopyrrolidine and L-nitroargininylaminopiperidine neuronal nitric oxide synthase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 1928-38 | 3.4 | 20 |
| 118 | Hydroxyethylene isosteres of selective neuronal nitric oxide synthase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 6096-108 | 3.4 | 6 |
| 117 | Three-fold polyfluoroalkylated amines and isocyanates based on tris(hydroxymethyl)aminomethane (TRIS). <i>Journal of Fluorine Chemistry</i> , 2007 , 128, 179-183 | 2.1 | 15 |

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| 116 | Mutation analysis of the MECP2 gene in patients of Slavic origin with Rett syndrome: novel mutations and polymorphisms. <i>Journal of Human Genetics</i> , 2007 , 52, 342-348 | 4.3 | 22 |
| 115 | Oxygen metabolism by neuronal nitric-oxide synthase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 7921-954 | 5.4 | 25 |
| 114 | Oxygen metabolism by endothelial nitric-oxide synthase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 28557428565 | 5.4 | 25 |
| 113 | Corrigendum to Mammalian mitochondrial nitric oxide synthase: Characterization of a novel candidate [FEBS Lett. 580 (2006) 455-62]. <i>FEBS Letters</i> , 2007 , 581, 2072-2073 | 3.8 | |
| 112 | Endothelial cell superoxide anion radical generation is not dependent on endothelial nitric oxide synthase-serine 1179 phosphorylation and endothelial nitric oxide synthase dimer/monomer distribution. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 2056-68 | 7.8 | 33 |
| 111 | The role of a conserved serine residue within hydrogen bonding distance of FAD in redox properties and the modulation of catalysis by Ca ²⁺ /calmodulin of constitutive nitric-oxide synthases. <i>Journal of Biological Chemistry</i> , 2006 , 281, 34246-57 | 5.4 | 12 |
| 110 | Diminished FAD binding in the Y459H and V492E Antley-Bixler syndrome mutants of human cytochrome P450 reductase. <i>Journal of Biological Chemistry</i> , 2006 , 281, 35975-82 | 5.4 | 43 |
| 109 | Polyhydroxylated sapphyrins: multisite non-metallic catalysts for activated phosphodiester hydrolysis. <i>Journal of the American Chemical Society</i> , 2006 , 128, 432-7 | 16.4 | 17 |
| 108 | Conformationally restricted dipeptide amides as potent and selective neuronal nitric oxide synthase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 6254-63 | 8.3 | 22 |
| 107 | Mammalian mitochondrial nitric oxide synthase: characterization of a novel candidate. <i>FEBS Letters</i> , 2006 , 580, 455-62 | 3.8 | 37 |
| 106 | Endothelial nitric oxide synthase reduces nitrite anions to NO under anoxia. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 341, 816-21 | 3.4 | 128 |
| 105 | Dynamics of NO rebinding to the heme domain of NO synthase-like proteins from bacterial pathogens. <i>Nitric Oxide - Biology and Chemistry</i> , 2006 , 15, 312-27 | 5 | 13 |
| 104 | Plant nitric oxide synthase: a never-ending story?. <i>Trends in Plant Science</i> , 2006 , 11, 524-5; author reply 526-8 | 13.1 | 281 |
| 103 | Design, synthesis, and biological testing of potential heme-coordinating nitric oxide synthase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 3185-98 | 3.4 | 17 |
| 102 | Hydroxyl-terminated peptidomimetic inhibitors of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 3681-90 | 3.4 | 6 |
| 101 | Branched polyfluorinated triflate: An easily available polyfluoroalkylating agent. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 386-390 | 2.1 | 8 |
| 100 | Analogies and surprising differences between recombinant nitric oxide synthase-like proteins from <i>Staphylococcus aureus</i> and <i>Bacillus anthracis</i> in their interactions with L-arginine analogs and iron ligands. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 2024-33 | 4.2 | 19 |
| 99 | Reaction Pathways and Stoichiometry of Nitric Oxide Synthase. <i>FASEB Journal</i> , 2006 , 20, A41 | 0.9 | |

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