

# Irmgard Tegeder

## 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.

|                    |                         |                |                 |
|--------------------|-------------------------|----------------|-----------------|
| 164<br>papers      | 7,916<br>citations      | 47<br>h-index  | 83<br>g-index   |
| 176<br>ext. papers | 8,835<br>ext. citations | 6.7<br>avg, IF | 5.74<br>L-index |

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 164 | ARAF suppresses ERBB3 expression and metastasis in a subset of lung cancers.. <i>Science Advances</i> , <b>2022</b> , 8, eabk1538  | 14.3 | 2         |
| 163 | When lipid homeostasis runs havoc: Lipotoxicity links lysosomal dysfunction to autophagy. <i>Matrix Biology</i> , <b>2021</b> , 100-101, 99-117  | 11.4 | 3         |
| 162 | When the genome bluffs: a tandem duplication event during generation of a novel Agmo knockout mouse model fools routine genotyping. <i>Cell and Bioscience</i> , <b>2021</b> , 11, 54                        | 9.8  | 5         |
| 161 | Nucleoredoxin Knockdown in SH-SY5Y Cells Promotes Cell Renewal. <i>Antioxidants</i> , <b>2021</b> , 10,  | 7.1  | 2         |
| 160 | Sapropterin (BH4) Aggravates Autoimmune Encephalomyelitis in Mice. <i>Neurotherapeutics</i> , <b>2021</b> , 18, 1862-1879  | 7.1  | 1         |
| 159 | Prodromal sensory neuropathy in Pink1 SNCA double mutant Parkinson mice. <i>Neuropathology and Applied Neurobiology</i> , <b>2021</b> , 47, 1060-1079  | 5.2  | 1         |
| 158 | AGMO Inhibitor Reduces 3T3-L1 Adipogenesis. <i>Cells</i> , <b>2021</b> , 10,   | 7.9  | 1         |
| 157 | Single intracerebroventricular progranulin injection adversely affects the blood-brain barrier in experimental traumatic brain injury. <i>Journal of Neurochemistry</i> , <b>2021</b> , 158, 342-357         | 6    | 2         |
| 156 | Prevention of age-associated neuronal hyperexcitability with improved learning and attention upon knockout or antagonism of LPAR2. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 1029-1050 | 10.3 | 5         |
| 155 | Autophagy activation, lipotoxicity and lysosomal membrane permeabilization synergize to promote pimozone- and loperamide-induced glioma cell death. <i>Autophagy</i> , <b>2021</b> , 17, 3424-3443           | 10.2 | 10        |
| 154 | Reduced exploratory behavior in neuronal nucleoredoxin knockout mice. <i>Redox Biology</i> , <b>2021</b> , 45, 102054  | 4.3  | 1         |
| 153 | Sphingolipid and Endocannabinoid Profiles in Adult Attention Deficit Hyperactivity Disorder. <i>Biomedicines</i> , <b>2021</b> , 9,  | 4.8  | 2         |
| 152 | High Glucosylceramides and Low Anandamide Contribute to Sensory Loss and Pain in Parkinson's Disease. <i>Movement Disorders</i> , <b>2020</b> , 35, 1822-1833  | 7    | 7         |
| 151 | Low brain endocannabinoids associated with persistent non-goal directed nighttime hyperactivity after traumatic brain injury in mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 14929                    | 4.9  | 5         |
| 150 | Progranulin deficiency confers resistance to autoimmune encephalomyelitis in mice. <i>Cellular and Molecular Immunology</i> , <b>2020</b> , 17, 1077-1091  | 15.4 | 7         |
| 149 | 21.2 SYNAPTIC LIPID SIGNALING AT CENTRAL SYNAPSES: ROLE IN PSYCHIATRIC DISORDERS. <i>Schizophrenia Bulletin</i> , <b>2019</b> , 45, S124-S124  | 1.3  | 78        |
| 148 | Targeted lipidomics reveal derangement of ceramides in major depression and bipolar disorder. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 95, 65-76   | 12.7 | 37        |

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| 147 | Sensory neuropathy and nociception in rodent models of Parkinson's disease. <i>DMM Disease Models and Mechanisms</i> , <b>2019</b> , 12,   | 4.1  | 11 |
| 146 | Distal infraorbital nerve injury: a model for persistent facial pain in mice. <i>Pain</i> , <b>2019</b> , 160, 1431-1447   | 8    | 10 |
| 145 | Nitric oxide mediated redox regulation of protein homeostasis. <i>Cellular Signalling</i> , <b>2019</b> , 53, 348-356  | 4.9  | 18 |
| 144 | Nitric oxide contributes to protein homeostasis by S-nitrosylations of the chaperone HSPA8 and the ubiquitin ligase UBE2D. <i>Redox Biology</i> , <b>2019</b> , 20, 217-235  | 11.3 | 16 |
| 143 | Mast cell tetrahydrobiopterin contributes to itch in mice. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 985-1000  | 5.6  | 4  |
| 142 | NG2/CSPG4 and progranulin in the posttraumatic glial scar. <i>Matrix Biology</i> , <b>2018</b> , 68-69, 571-588  | 11.4 | 32 |
| 141 | Synaptic phospholipids as a new target for cortical hyperexcitability and E/I balance in psychiatric disorders. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 1699-1710  | 15.1 | 21 |
| 140 | Current evidence of cannabinoid-based analgesia obtained in preclinical and human experimental settings. <i>European Journal of Pain</i> , <b>2018</b> , 22, 471-484   | 3.7  | 64 |
| 139 | Deep proteome of human nNOS/NOS1-positive versus MOCK SH-SY5Y neuroblastoma cells under full nutrition, serum free starvation and rapamycin treatment. <i>Data in Brief</i> , <b>2018</b> , 21, 1309-1314                              | 1.2  | 0  |
| 138 | Redox-proteomes of human NOS1-transduced versus MOCK SH-SY5Y neuroblastoma cells under full nutrition, serum-free starvation, and rapamycin treatment. <i>Data in Brief</i> , <b>2018</b> , 21, 1302-1308                              | 1.2  | 3  |
| 137 | Astrocytic ATX fuels synaptic phospholipid signaling involved in psychiatric disorders. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 1685-1686  | 15.1 | 0  |
| 136 | Machine-learning based lipid mediator serum concentration patterns allow identification of multiple sclerosis patients with high accuracy. <i>Scientific Reports</i> , <b>2018</b> , 8, 14884  | 4.9  | 26 |
| 135 | Hypoxia-inducible factor 1 $\alpha$ protects peripheral sensory neurons from diabetic peripheral neuropathy by suppressing accumulation of reactive oxygen species. <i>Journal of Molecular Medicine</i> , <b>2018</b> , 96, 1395-1405 | 5.5  | 15 |
| 134 | Progranulin Deficient Mice Develop Nephrogenic Diabetes Insipidus <b>2018</b> , 9, 817-830   |      | 4  |
| 133 | Ceramide synthase 2 deficiency aggravates AOM-DSS-induced colitis in mice: role of colon barrier integrity. <i>Cellular and Molecular Life Sciences</i> , <b>2017</b> , 74, 3039-3055  | 10.3 | 27 |
| 132 | Rab7-a novel redox target that modulates inflammatory pain processing. <i>Pain</i> , <b>2017</b> , 158, 1354-1365  | 8    | 6  |
| 131 | Redox-guided axonal regrowth requires cyclic GMP dependent protein kinase 1: Implication for neuropathic pain. <i>Redox Biology</i> , <b>2017</b> , 11, 176-191  | 11.3 | 11 |
| 130 | Progression of pathology in PINK1-deficient mouse brain from splicing via ubiquitination, ER stress, and mitophagy changes to neuroinflammation. <i>Journal of Neuroinflammation</i> , <b>2017</b> , 14, 154                           | 10.1 | 46 |

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|-----|--|------|----|
| 129 | Loss of synaptic zinc transport in progranulin deficient mice may contribute to progranulin-associated psychopathology and chronic pain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 2727-2745 | 6.9  | 14 |
| 128 | Bioluminescence and Near-infrared Imaging of Optic Neuritis and Brain Inflammation in the EAE Model of Multiple Sclerosis in Mice. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,  | 1.6  | 3  |
| 127 | Dysregulation of lysophosphatidic acids in multiple sclerosis and autoimmune encephalomyelitis. <i>Acta Neuropathologica Communications</i> , <b>2017</b> , 5, 42  | 7.3  | 29 |
| 126 | Progranulin protects against exaggerated axonal injury and astrogliosis following traumatic brain injury. <i>Glia</i> , <b>2017</b> , 65, 278-292  | 9    | 45 |
| 125 | Monoclonal Antibodies in Preclinical EAE Models of Multiple Sclerosis: A Systematic Review. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,   | 6.3  | 5  |
| 124 | Pro-inflammatory obesity in aged cannabinoid-2 receptor-deficient mice. <i>International Journal of Obesity</i> , <b>2016</b> , 40, 366-79   | 5.5  | 30 |
| 123 | Progranulin overexpression in sensory neurons attenuates neuropathic pain in mice: Role of autophagy. <i>Neurobiology of Disease</i> , <b>2016</b> , 96, 294-311   | 7.5  | 35 |
| 122 | Progranulin promotes peripheral nerve regeneration and reinnervation: role of notch signaling. <i>Molecular Neurodegeneration</i> , <b>2016</b> , 11, 69   | 19   | 43 |
| 121 | Molecular cause and functional impact of altered synaptic lipid signaling due to a prg-1 gene SNP. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 25-38   | 12   | 26 |
| 120 | Tetrahydrobiopterin Attenuates DSS-evoked Colitis in Mice by Rebalancing Redox and Lipid Signalling. <i>Journal of Crohn's and Colitis</i> , <b>2016</b> , 10, 965-78  | 1.5  | 21 |
| 119 | Multiple rodent models and behavioral measures reveal unexpected responses to FTY720 and DMF in experimental autoimmune encephalomyelitis. <i>Behavioural Brain Research</i> , <b>2016</b> , 300, 160-74                                   | 3.4  | 22 |
| 118 | R-Flurbiprofen Traps Prostaglandins within Cells by Inhibition of Multidrug Resistance-Associated Protein-4. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 18,  | 6.3  | 4  |
| 117 | Endocannabinoids as Guardians of Metastasis. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 230  | 6.3  | 16 |
| 116 | Data file of a deep proteome analysis of the prefrontal cortex in aged mice with progranulin deficiency or neuronal overexpression of progranulin. <i>Data in Brief</i> , <b>2016</b> , 9, 1070-1073                                       | 1.2  | 1  |
| 115 | Yeast-2-Hybrid data file showing progranulin interactions in human fetal brain and bone marrow libraries. <i>Data in Brief</i> , <b>2016</b> , 9, 1060-1062  | 1.2  | 4  |
| 114 | Reduction of Neuropathic and Inflammatory Pain through Inhibition of the Tetrahydrobiopterin Pathway. <i>Neuron</i> , <b>2015</b> , 86, 1393-406   | 13.9 | 76 |
| 113 | COX-2-Derived Prostaglandin E2 Produced by Pyramidal Neurons Contributes to Neurovascular Coupling in the Rodent Cerebral Cortex. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 11791-810   | 6.6  | 67 |
| 112 | "Disease modifying nutraceuticals" for multiple sclerosis. <i>Pharmacology &amp; Therapeutics</i> , <b>2015</b> , 148, 85-113  | 13.9 | 34 |

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|-----|---|------|----|
| 111 | Redoxins in peripheral neurons after sciatic nerve injury. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 581-92  | 7.8  | 10 |
| 110 | Expression and regulation of redoxins at nociceptive signaling sites after sciatic nerve injury in mice. <i>Data in Brief</i> , <b>2015</b> , 5, 834-45   | 1.2  | 2  |
| 109 | Hypoxia-inducible factor 1 regulates heat and cold pain sensitivity and persistence. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2555-71  | 8.4  | 22 |
| 108 | Congenital taurine deficiency in mice is associated with reduced sensitivity to nociceptive chemical stimulation. <i>Neuroscience</i> , <b>2014</b> , 259, 63-70  | 3.9  | 16 |
| 107 | R-flurbiprofen attenuates experimental autoimmune encephalomyelitis in mice. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 1398-422   | 12   | 40 |
| 106 | Regulation of circulating endocannabinoids associated with cancer and metastases in mice and humans. <i>Oncoscience</i> , <b>2014</b> , 1, 272-282  | 0.8  | 37 |
| 105 | Inhibition of GTP cyclohydrolase attenuates tumor growth by reducing angiogenesis and M2-like polarization of tumor associated macrophages. <i>International Journal of Cancer</i> , <b>2013</b> , 132, 591-604 | 7.5  | 40 |
| 104 | Dichotomy of CCL21 and CXCR3 in nerve injury-evoked and autoimmunity-evoked hyperalgesia. <i>Brain, Behavior, and Immunity</i> , <b>2013</b> , 32, 186-200  | 16.6 | 22 |
| 103 | Anandamide deficiency and heightened neuropathic pain in aged mice. <i>Neuropharmacology</i> , <b>2013</b> , 71, 204-15   | 5.5  | 21 |
| 102 | Exogenous delta-tetrahydrocannabinol influences circulating endogenous cannabinoids in humans. <i>Journal of Clinical Psychopharmacology</i> , <b>2013</b> , 33, 699-705  | 1.7  | 18 |
| 101 | Author's reply to Kapoor S. GTP cyclohydrolase and cancer pain. <i>International Journal of Cancer</i> , <b>2013</b> , 132, 1970  | 7.5  |    |
| 100 | Learning and memory with neuropathic pain: impact of old age and progranulin deficiency. <i>Frontiers in Behavioral Neuroscience</i> , <b>2013</b> , 7, 174   | 3.5  | 17 |
| 99  | Progranulin contributes to endogenous mechanisms of pain defense after nerve injury in mice. <i>Journal of Cellular and Molecular Medicine</i> , <b>2012</b> , 16, 708-21                                       | 5.6  | 17 |
| 98  | G(q/11) signaling tonically modulates nociceptor function and contributes to activity-dependent sensitization. <i>Pain</i> , <b>2012</b> , 153, 184-196   | 8    | 25 |
| 97  | Inhibition of GTP cyclohydrolase reduces cancer pain in mice and enhances analgesic effects of morphine. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 1473-86                                       | 5.5  | 15 |
| 96  | Inhibitor kappa B kinase beta dependent cytokine upregulation in nociceptive neurons contributes to nociceptive hypersensitivity after sciatic nerve injury. <i>Journal of Pain</i> , <b>2012</b> , 13, 485-97  | 5.2  | 20 |
| 95  | Protein S-nitrosylation and denitrosylation in the mouse spinal cord upon injury of the sciatic nerve. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 3987-4004   | 3.9  | 27 |
| 94  | Contribution of genetic variants to pain susceptibility in Parkinson disease. <i>European Journal of Pain</i> , <b>2012</b> , 16, 1243-50   | 3.7  | 44 |

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|----|--|------|-----|
| 93 | Peripheral nerve injury produces a sustained shift in the balance between glutamate release and uptake in the dorsal horn of the spinal cord. <i>Pain</i> , <b>2012</b> , 153, 2422-2431                                   | 8    | 50  |
| 92 | Presynaptically localized cyclic GMP-dependent protein kinase 1 is a key determinant of spinal synaptic potentiation and pain hypersensitivity. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001283                           | 9.7  | 71  |
| 91 | Nerve injury evoked loss of latexin expression in spinal cord neurons contributes to the development of neuropathic pain. <i>PLoS ONE</i> , <b>2011</b> , 6, e19270  | 3.7  | 9   |
| 90 | Genetically polymorphic OCT1: another piece in the puzzle of the variable pharmacokinetics and pharmacodynamics of the opioidergic drug tramadol. <i>Clinical Pharmacology and Therapeutics</i> , <b>2011</b> , 90, 143-50 | 6.1  | 113 |
| 89 | Emerging country pharmacology: a 10-year perspective from Naunyn-Schmiedeberg's Archives of Pharmacology. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2011</b> , 384, 217-9                                 | 3.4  | 0   |
| 88 | SNO-ing at the nociceptive synapse?. <i>Pharmacological Reviews</i> , <b>2011</b> , 63, 366-89   | 22.5 | 41  |
| 87 | CNGA3: a target of spinal nitric oxide/cGMP signaling and modulator of inflammatory pain hypersensitivity. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 11184-92   | 6.6  | 33  |
| 86 | The protein kinase IKK $\beta$ is a potential target for the treatment of inflammatory hyperalgesia. <i>Journal of Immunology</i> , <b>2011</b> , 187, 2617-25   | 5.3  | 28  |
| 85 | Peripheral calcium-permeable AMPA receptors regulate chronic inflammatory pain in mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 1608-23  | 15.9 | 44  |
| 84 | R-flurbiprofen reduces neuropathic pain in rodents by restoring endogenous cannabinoids. <i>PLoS ONE</i> , <b>2010</b> , 5, e10628   | 3.7  | 68  |
| 83 | Inter-strain differences of serotonergic inhibitory pain control in inbred mice. <i>Molecular Pain</i> , <b>2010</b> , 6, 70   | 3.4  | 16  |
| 82 | Inhibitor kappaB Kinase beta deficiency in primary nociceptive neurons increases TRP channel sensitivity. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 12919-29  | 6.6  | 24  |
| 81 | Analgesic efficacy of tramadol, pregabalin and ibuprofen in menthol-evoked cold hyperalgesia. <i>Pain</i> , <b>2009</b> , 147, 116-21  | 8    | 33  |
| 80 | Genetic modulation of the pharmacological treatment of pain. <i>Pharmacology &amp; Therapeutics</i> , <b>2009</b> , 124, 168-84  | 13.9 | 76  |
| 79 | Current evidence for a modulation of low back pain by human genetic variants. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 1605-1619  | 5.6  | 50  |
| 78 | cGMP-dependent signaling pathways in spinal pain processing. <i>BMC Pharmacology</i> , <b>2009</b> , 9,  |      | 78  |
| 77 | Comparison of nociceptive behavior in prostaglandin E, F, D, prostacyclin and thromboxane receptor knockout mice. <i>European Journal of Pain</i> , <b>2009</b> , 13, 691-703  | 3.7  | 21  |
| 76 | No NO, no pain? The role of nitric oxide and cGMP in spinal pain processing. <i>Trends in Neurosciences</i> , <b>2009</b> , 32, 339-46   | 13.3 | 149 |

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|----|---|------|-----|
| 75 | Conditional gene deletion reveals functional redundancy of GABAB receptors in peripheral nociceptors in vivo. <i>Molecular Pain</i> , <b>2009</b> , 5, 68   | 3.4  | 19  |
| 74 | Ro5-4864 promotes neonatal motor neuron survival and nerve regeneration in adult rats. <i>European Journal of Neuroscience</i> , <b>2008</b> , 27, 937-46   | 3.5  | 36  |
| 73 | Accumulation of phosphorylated I kappaB alpha and activated IKK in nodes of Ranvier. <i>Neuropathology and Applied Neurobiology</i> , <b>2008</b> , 34, 357-65  | 5.2  | 19  |
| 72 | GCH1 haplotype determines vascular and plasma biopterin availability in coronary artery disease effects on vascular superoxide production and endothelial function. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 52, 158-65 | 15.1 | 73  |
| 71 | Clinical genetics of functionally mild non-coding GTP cyclohydrolase 1 (GCH1) polymorphisms modulating pain and cardiovascular risk. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2008</b> , 659, 195-201                           | 7    | 24  |
| 70 | Low-dose methotrexate reduces peripheral nerve injury-evoked spinal microglial activation and neuropathic pain behavior in rats. <i>Pain</i> , <b>2008</b> , 138, 130-142   | 8    | 69  |
| 69 | Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn. <i>Pain</i> , <b>2008</b> , 139, 632-643   | 8    | 25  |
| 68 | cGMP produced by NO-sensitive guanylyl cyclase essentially contributes to inflammatory and neuropathic pain by using targets different from cGMP-dependent protein kinase I. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 8568-76             | 6.6  | 82  |
| 67 | Cysteine-rich protein 2, a novel downstream effector of cGMP/cGMP-dependent protein kinase I-mediated persistent inflammatory pain. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 1320-30  | 6.6  | 46  |
| 66 | Reduced hyperalgesia in homozygous carriers of a GTP cyclohydrolase 1 haplotype. <i>European Journal of Pain</i> , <b>2008</b> , 12, 1069-77  | 3.7  | 90  |
| 65 | Cannabinoids mediate analgesia largely via peripheral type 1 cannabinoid receptors in nociceptors. <i>Nature Neuroscience</i> , <b>2007</b> , 10, 870-9   | 25.5 | 430 |
| 64 | The partial 5-hydroxytryptamine1A receptor agonist buspirone does not antagonize morphine-induced respiratory depression in humans. <i>Clinical Pharmacology and Therapeutics</i> , <b>2007</b> , 81, 59-68   | 6.1  | 42  |
| 63 | Reliable screening for a pain-protective haplotype in the GTP cyclohydrolase 1 gene (GCH1) through the use of 3 or fewer single nucleotide polymorphisms. <i>Clinical Chemistry</i> , <b>2007</b> , 53, 1010-5                                      | 5.5  | 44  |
| 62 | The impact of CREB and its phosphorylation at Ser142 on inflammatory nociception. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 362, 75-80   | 3.4  | 9   |
| 61 | Cardiovascular risk with cyclooxygenase inhibitors: general problem with substance specific differences?. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2006</b> , 373, 1-17   | 3.4  | 28  |
| 60 | GTP cyclohydrolase and tetrahydrobiopterin regulate pain sensitivity and persistence. <i>Nature Medicine</i> , <b>2006</b> , 12, 1269-77  | 50.5 | 435 |
| 59 | Pathophysiology and treatment of pain in joint disease. <i>Advanced Drug Delivery Reviews</i> , <b>2006</b> , 58, 323-428.5   | 71   |     |
| 58 | Comparative proteomic analysis of the rat spinal cord in inflammatory and neuropathic pain models. <i>Neuroscience Letters</i> , <b>2005</b> , 381, 289-93  | 3.3  | 36  |



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| 57 | Essential role of the synaptic vesicle protein synapsin II in formalin-induced hyperalgesia and glutamate release in the spinal cord. <i>Pain</i> , <b>2005</b> , 115, 171-81  | 8    | 16  |
| 56 | The role of cGMP and PKG-I in spinal nociceptive processing. <i>BMC Pharmacology</i> , <b>2005</b> , 5, P50  |      |     |
| 55 | Opioids as modulators of cell death and survival--unraveling mechanisms and revealing new indications. <i>Pharmacological Reviews</i> , <b>2004</b> , 56, 351-69   | 22.5 | 174 |
| 54 | Specific Inhibition of IkappaB kinase reduces hyperalgesia in inflammatory and neuropathic pain models in rats. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 1637-45   | 6.6  | 134 |
| 53 | Reduced inflammatory hyperalgesia with preservation of acute thermal nociception in mice lacking cGMP-dependent protein kinase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 3253-7     | 11.5 | 88  |
| 52 | Protein associated with Myc (PAM) is involved in spinal nociceptive processing. <i>Journal of Neurochemistry</i> , <b>2004</b> , 88, 948-57  | 6    | 32  |
| 51 | The calpain inhibitor MDL 28170 prevents inflammation-induced neurofilament light chain breakdown in the spinal cord and reduces thermal hyperalgesia. <i>Pain</i> , <b>2004</b> , 110, 409-18   | 8    | 40  |
| 50 | Cyclooxygenase 2 expression in the spared nerve injury model of neuropathic pain. <i>Neuroscience</i> , <b>2004</b> , 124, 891-900   | 3.9  | 86  |
| 49 | Opposite effects of rofecoxib on nuclear factor-kappaB and activating protein-1 activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2003</b> , 304, 1153-60  | 4.7  | 39  |
| 48 | Peripheral opioid analgesia in experimental human pain models. <i>Brain</i> , <b>2003</b> , 126, 1092-102  | 11.2 | 99  |
| 47 | Determination of 8-methoxypsoralen in human plasma, and microdialysates using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2003</b> , 798, 223-9 | 3.2  | 10  |
| 46 | Cisplatin tumor concentrations after intra-arterial cisplatin infusion or embolization in patients with oral cancer. <i>Clinical Pharmacology and Therapeutics</i> , <b>2003</b> , 73, 417-26  | 6.1  | 39  |
| 45 | Peripheral and central antihyperalgesic effects of diclofenac in a model of human inflammatory pain. <i>Clinical Pharmacology and Therapeutics</i> , <b>2003</b> , 74, 113-20  | 6.1  | 37  |
| 44 | Modulation of spinal nociceptive processing through the glutamate transporter GLT-1. <i>Neuroscience</i> , <b>2003</b> , 116, 81-7   | 3.9  | 47  |
| 43 | Inhibition of cyclic guanosine 5Rmonophosphate-dependent protein kinase I (PKG-I) in lumbar spinal cord reduces formalin-induced hyperalgesia and PKG upregulation. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2003</b> , 8, 89-94                 | 5    | 38  |
| 42 | Activation of c-Jun-N-terminal-kinase is crucial for the induction of a cell cycle arrest in human colon carcinoma cells caused by flurbiprofen enantiomers. <i>FASEB Journal</i> , <b>2003</b> , 17, 1316-8   | 0.9  | 39  |
| 41 | G protein-independent G1 cell cycle block and apoptosis with morphine in adenocarcinoma cells: involvement of p53 phosphorylation. <i>Cancer Research</i> , <b>2003</b> , 63, 1846-52  | 10.1 | 91  |
| 40 | Release of algescic substances in human experimental muscle pain. <i>Inflammation Research</i> , <b>2002</b> , 51, 393-402   | 4.2  | 81  |



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|----|---|-----|-----|
| 39 | Increased CNS uptake and enhanced antinociception of morphine-6-glucuronide in rats after inhibition of P-glycoprotein. <i>Journal of Neurochemistry</i> , <b>2002</b> , 83, 241-8  | 6   | 56  |
| 38 | Spatial distribution of 8-methoxypsoralen penetration into human skin after systemic or topical administration. <i>British Journal of Clinical Pharmacology</i> , <b>2002</b> , 54, 535-9   | 3.8 | 5   |
| 37 | Validation of a new fluorogenic real-time PCR assay for detection of CYP2C9 allelic variants and CYP2C9 allelic distribution in a German population. <i>British Journal of Clinical Pharmacology</i> , <b>2002</b> , 54, 518-21                               | 3.8 | 46  |
| 36 | Time course of 8-methoxypsoralen concentrations in skin and plasma after topical (bath and cream) and oral administration of 8-methoxypsoralen. <i>Clinical Pharmacology and Therapeutics</i> , <b>2002</b> , 71, 153-61                                      | 6.1 | 40  |
| 35 | Tissue distribution of imipenem in critically ill patients. <i>Clinical Pharmacology and Therapeutics</i> , <b>2002</b> , 71, 325-33  | 6.1 | 72  |
| 34 | Drug interactions with patient-controlled analgesia. <i>Clinical Pharmacokinetics</i> , <b>2002</b> , 41, 31-57   | 6.2 | 45  |
| 33 | The influence of inhibition of probenecid sensitive transporters on the central nervous system (CNS) uptake and the antinociceptive activity of morphine-6-glucuronide in rats. <i>Neuroscience Letters</i> , <b>2002</b> , 329, 145-8                        | 3.3 | 13  |
| 32 | Dual effects of spinally delivered 8-bromo-cyclic guanosine mono-phosphate (8-bromo-cGMP) in formalin-induced nociception in rats. <i>Neuroscience Letters</i> , <b>2002</b> , 332, 146-50  | 3.3 | 65  |
| 31 | Effects of selective COX-1 and -2 inhibition on formalin-evoked nociceptive behaviour and prostaglandin E(2) release in the spinal cord. <i>Journal of Neurochemistry</i> , <b>2001</b> , 79, 777-86  | 6   | 78  |
| 30 | Role of nitric oxide in zymosan induced paw inflammation and thermal hyperalgesia. <i>Inflammation Research</i> , <b>2001</b> , 50, 83-8  | 7.2 | 45  |
| 29 | Determination of celecoxib in human plasma and rat microdialysis samples by liquid chromatography tandem mass spectrometry. <i>Biomedical Applications</i> , <b>2001</b> , 761, 203-12  |     | 35  |
| 28 | Kinetics and dose-response of photosensitivity in cream psoralen plus ultraviolet A photochemotherapy: comparative in vivo studies after topical application of three standard preparations. <i>British Journal of Dermatology</i> , <b>2001</b> , 144, 991-5 | 4   | 15  |
| 27 | Cream psoralen plus ultraviolet A therapy for granuloma annulare. <i>British Journal of Dermatology</i> , <b>2001</b> , 144, 996-9  | 4   | 24  |
| 26 | Comparison of tissue concentrations after intramuscular and topical administration of ketoprofen. <i>Pharmaceutical Research</i> , <b>2001</b> , 18, 980-6  | 4.5 | 12  |
| 25 | Simultaneous fitting of R- and S-ibuprofen plasma concentrations after oral administration of the racemate. <i>British Journal of Clinical Pharmacology</i> , <b>2001</b> , 52, 387-398   | 3.8 | 1   |
| 24 | Expression of rat liver long-chain acyl-CoA synthetase and characterization of its role in the metabolism of R-ibuprofen and other fatty acid-like xenobiotics. <i>Biochemical Pharmacology</i> , <b>2001</b> , 61, 651-6                                     | 6   | 27  |
| 23 | Simultaneous fitting of R- and S-ibuprofen plasma concentrations after oral administration of the racemate. <i>British Journal of Clinical Pharmacology</i> , <b>2001</b> , 52, 387-98  | 3.8 | 15  |
| 22 | COX-2 independent induction of cell cycle arrest and apoptosis in colon cancer cells by the selective COX-2 inhibitor celecoxib. <i>FASEB Journal</i> , <b>2001</b> , 15, 2742-4  | 0.9 | 365 |

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|----|---|-----|-----|
| 21 | Celecoxib loses its anti-inflammatory efficacy at high doses through activation of NF-kappaB. <i>FASEB Journal</i> , <b>2001</b> , 15, 1622-4   | 0.9 | 138 |
| 20 | Release of glutamate, nitric oxide and prostaglandin E2 and metabolic activity in the spinal cord of rats following peripheral nociceptive stimulation. <i>Pain</i> , <b>2001</b> , 92, 213-8                                 | 8   | 75  |
| 19 | Cyclooxygenase-independent actions of cyclooxygenase inhibitors. <i>FASEB Journal</i> , <b>2001</b> , 15, 2057-72   | 0.9 | 642 |
| 18 | Inhibition of NF-kappaB and AP-1 activation by R- and S-flurbiprofen. <i>FASEB Journal</i> , <b>2001</b> , 15, 595-7  | 0.9 | 54  |
| 17 | Inhibition of NF-KB and AP-1 activation by R- and S-flurbiprofen <sup>1,2</sup> . <i>FASEB Journal</i> , <b>2001</b> , 15, 2-4  | 0.9 | 46  |
| 16 | Inhibition of noxious stimulus-induced spinal prostaglandin E2 release by flurbiprofen enantiomers: a microdialysis study. <i>Journal of Neurochemistry</i> , <b>2000</b> , 74, 2094-100                                      | 6   | 33  |
| 15 | Localization and regulation of cyclo-oxygenase-1 and -2 and neuronal nitric oxide synthase in mouse spinal cord. <i>Neuroscience</i> , <b>2000</b> , 101, 1093-108  | 3.9 | 70  |
| 14 | Regulation and immunohistochemical localization of nitric oxide synthases and soluble guanylyl cyclase in mouse spinal cord following nociceptive stimulation. <i>Neuroscience Letters</i> , <b>2000</b> , 290, 71-5          | 3.3 | 50  |
| 13 | Antinociceptive effects of morphine-6-glucuronide in homozygous MDR1a P-glycoprotein knockout and in wildtype mice in the hotplate test. <i>Life Sciences</i> , <b>2000</b> , 66, 2393-403                                    | 6.8 | 31  |
| 12 | Incidence and costs of adverse drug reactions during hospitalisation: computerised monitoring versus stimulated spontaneous reporting. <i>Drug Safety</i> , <b>2000</b> , 22, 161-8   | 5.1 | 108 |
| 11 | Retrospective analysis of the frequency and recognition of adverse drug reactions by means of automatically recorded laboratory signals. <i>British Journal of Clinical Pharmacology</i> , <b>1999</b> , 47, 557-64           | 3.8 | 52  |
| 10 | Comparison of inhibitory effects of meloxicam and diclofenac on human thromboxane biosynthesis after single doses and at steady state. <i>Clinical Pharmacology and Therapeutics</i> , <b>1999</b> , 65, 533-44               | 6.1 | 34  |
| 9  | Pharmacokinetics of meropenem in critically ill patients with acute renal failure undergoing continuous venovenous hemofiltration. <i>Clinical Pharmacology and Therapeutics</i> , <b>1999</b> , 65, 50-7                     | 6.1 | 65  |
| 8  | Application of microdialysis for the determination of muscle and subcutaneous tissue concentrations after oral and topical ibuprofen administration. <i>Clinical Pharmacology and Therapeutics</i> , <b>1999</b> , 65, 357-68 | 6.1 | 68  |
| 7  | Pharmacokinetics of opioids in liver disease. <i>Clinical Pharmacokinetics</i> , <b>1999</b> , 37, 17-40  | 6.2 | 209 |
| 6  | Acetaminophen inhibits spinal prostaglandin E2 release after peripheral noxious stimulation. <i>Anesthesiology</i> , <b>1999</b> , 91, 231-9  | 4.3 | 119 |
| 5  | Differential effect of selective cyclooxygenase-2 (COX-2) inhibitor NS 398 and diclofenac on formalin-induced nociception in the rat. <i>Neuroscience Letters</i> , <b>1998</b> , 248, 25-8                                   | 3.3 | 36  |
| 4  | Spinally delivered nociceptin/orphanin FQ reduces flinching behaviour in the rat formalin test. <i>NeuroReport</i> , <b>1997</b> , 8, 1967-70   | 1.7 | 69  |

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|---|---|-----|----|
| 3 | Pharmacokinetics of imipenem-cilastatin in critically ill patients undergoing continuous venovenous hemofiltration. <i>Antimicrobial Agents and Chemotherapy</i> , <b>1997</b> , 41, 2640-5 | 5.9 | 50 |
| 2 | Elevated serum cyclophilin levels in patients with severe sepsis. <i>Journal of Clinical Immunology</i> , <b>1997</b> , 17, 380-6   | 5.7 | 83 |
| 1 | Autophagy activation, lipotoxicity and lysosomal membrane permeabilization synergize to promote pimozide- and loperamide-induced glioma cell death  |     | 1  |