

# Dietmar Fuchs

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7960312/dietmar-fuchs-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

1,075  
papers

33,986  
citations

88  
h-index

139  
g-index

1,160  
ext. papers

37,372  
ext. citations

5.6  
avg, IF

6.9  
L-index

| #    | Paper   | IF   | Citations |
|------|---|------|-----------|
| 1075 | Immune response-associated production of neopterin. Release from macrophages primarily under control of interferon-gamma. <i>Journal of Experimental Medicine</i> , <b>1984</b> , 160, 310-6                              | 16.6 | 980       |
| 1074 | Neopterin as a marker for activated cell-mediated immunity: application in HIV infection. <i>Trends in Immunology</i> , <b>1988</b> , 9, 150-5  |      | 546       |
| 1073 | Neopterin as a marker for immune system activation. <i>Current Drug Metabolism</i> , <b>2002</b> , 3, 175-87  | 3.5  | 515       |
| 1072 | Prognostic value of indoleamine 2,3-dioxygenase expression in colorectal cancer: effect on tumor-infiltrating T cells. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 1144-51  | 12.9 | 459       |
| 1071 | Monitoring tryptophan metabolism in chronic immune activation. <i>Clinica Chimica Acta</i> , <b>2006</b> , 364, 82-90   | 6.2  | 419       |
| 1070 | Interferon-alpha-induced changes in tryptophan metabolism. relationship to depression and paroxetine treatment. <i>Biological Psychiatry</i> , <b>2003</b> , 54, 906-14   | 7.9  | 395       |
| 1069 | Simultaneous Measurement of Serum Tryptophan and Kynurenine by HPLC,. <i>Clinical Chemistry</i> , <b>1997</b> , 43, 2424-2426   | 5.5  | 355       |
| 1068 | Translational regulation via iron-responsive elements by the nitric oxide/NO-synthase pathway.. <i>EMBO Journal</i> , <b>1993</b> , 12, 3651-3657   | 13   | 295       |
| 1067 | Plasma Concentration of the Neurofilament Light Protein (NFL) is a Biomarker of CNS Injury in HIV Infection: A Cross-Sectional Study. <i>EBioMedicine</i> , <b>2016</b> , 3, 135-140                                      | 8.8  | 257       |
| 1066 | Tetrahydrobiopterin-dependent formation of nitrite and nitrate in murine fibroblasts. <i>Journal of Experimental Medicine</i> , <b>1990</b> , 172, 1599-607   | 16.6 | 257       |
| 1065 | Chronic low-grade inflammation in elderly persons is associated with altered tryptophan and tyrosine metabolism: role in neuropsychiatric symptoms. <i>Biological Psychiatry</i> , <b>2011</b> , 70, 175-82               | 7.9  | 254       |
| 1064 | Neopterin as marker for activation of cellular immunity: immunologic basis and clinical application. <i>Advances in Clinical Chemistry</i> , <b>1989</b> , 27, 81-141   | 5.8  | 247       |
| 1063 | HIV inhibits CD4+ T-cell proliferation by inducing indoleamine 2,3-dioxygenase in plasmacytoid dendritic cells. <i>Blood</i> , <b>2007</b> , 109, 3351-9  | 2.2  | 243       |
| 1062 | The role of neopterin as a monitor of cellular immune activation in transplantation, inflammatory, infectious, and malignant diseases. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>1992</b> , 29, 307-41 | 9.4  | 231       |
| 1061 | Tryptophan degradation and immune activation in Alzheimer's disease. <i>Journal of Neural Transmission</i> , <b>2000</b> , 107, 343-53  | 4.3  | 208       |
| 1060 | HIV-1 viral escape in cerebrospinal fluid of subjects on suppressive antiretroviral treatment. <i>Journal of Infectious Diseases</i> , <b>2010</b> , 202, 1819-25   | 7    | 204       |
| 1059 | Soluble receptors for tumour necrosis factor in clinical laboratory diagnosis. <i>European Journal of Haematology</i> , <b>1995</b> , 54, 1-8   | 3.8  | 203       |

|      |   |      |     |
|------|---|------|-----|
| 1058 | Antioxidants, inflammation and cardiovascular disease. <i>World Journal of Cardiology</i> , <b>2014</b> , 6, 462-77   | 2.1  | 202 |
| 1057 | Chronic immune stimulation correlates with reduced phenylalanine turnover. <i>Current Drug Metabolism</i> , <b>2008</b> , 9, 622-7  | 3.5  | 190 |
| 1056 | Pteridine biosynthesis in human endothelial cells. Impact on nitric oxide-mediated formation of cyclic GMP. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 1842-6  | 5.4  | 189 |
| 1055 | Neopterin, biochemistry and clinical use as a marker for cellular immune reactions. <i>International Archives of Allergy and Immunology</i> , <b>1993</b> , 101, 1-6  | 3.7  | 187 |
| 1054 | Pteridine biosynthesis in human endothelial cells. Impact on nitric oxide-mediated formation of cyclic GMP.. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 1842-1846  | 5.4  | 186 |
| 1053 | Parallel induction of tetrahydrobiopterin biosynthesis and indoleamine 2,3-dioxygenase activity in human cells and cell lines by interferon-gamma. <i>Biochemical Journal</i> , <b>1989</b> , 262, 861-6  | 3.8  | 183 |
| 1052 | Importance of vpr for infection of rhesus monkeys with simian immunodeficiency virus. <i>Journal of Virology</i> , <b>1993</b> , 67, 902-12   | 6.6  | 182 |
| 1051 | Neopterin production, tryptophan degradation, and mental depression--what is the link?. <i>Brain, Behavior, and Immunity</i> , <b>2002</b> , 16, 590-5  | 16.6 | 181 |
| 1050 | Serum tryptophan decrease correlates with immune activation and impaired quality of life in colorectal cancer. <i>British Journal of Cancer</i> , <b>2002</b> , 86, 1691-6  | 8.7  | 176 |
| 1049 | Determination of neopterin in serum and urine.. <i>Clinical Chemistry</i> , <b>1987</b> , 33, 62-66   | 5.5  | 175 |
| 1048 | Linkage of cell-mediated immunity to iron metabolism. <i>Trends in Immunology</i> , <b>1995</b> , 16, 495-500   |      | 174 |
| 1047 | Interferon-gamma-induced conversion of tryptophan: immunologic and neuropsychiatric aspects. <i>Current Medicinal Chemistry</i> , <b>2003</b> , 10, 1581-91   | 4.3  | 171 |
| 1046 | Cerebrospinal fluid HIV escape associated with progressive neurologic dysfunction in patients on antiretroviral therapy with well controlled plasma viral load. <i>Aids</i> , <b>2012</b> , 26, 1765-74   | 3.5  | 169 |
| 1045 | Potential role of immune system activation-associated production of neopterin derivatives in humans. <i>Inflammation Research</i> , <b>2003</b> , 52, 313-21  | 7.2  | 169 |
| 1044 | Tetrahydrobiopterin biosynthetic activities in human macrophages, fibroblasts, THP-1, and T 24 cells. GTP-cyclohydrolase I is stimulated by interferon-gamma, and 6-pyruvoyl tetrahydropterin synthase and sepiapterin reductase are constitutively present. <i>Journal of Biological Chemistry</i> , <b>1990</b> , 265, 3189-92    | 5.4  | 165 |
| 1043 | Plasma kynurenine levels are elevated in suicide attempters with major depressive disorder. <i>Brain, Behavior, and Immunity</i> , <b>2011</b> , 25, 1272-8   | 16.6 | 164 |
| 1042 | Tetrahydrobiopterin biosynthetic activities in human macrophages, fibroblasts, THP-1, and T 24 cells. GTP-cyclohydrolase I is stimulated by interferon-gamma, and 6-pyruvoyl tetrahydropterin synthase and sepiapterin reductase are constitutively present.. <i>Journal of Biological Chemistry</i> , <b>1990</b> , 265, 3189-3192 | 5.4  | 162 |
| 1041 | More Rapid Method for Simultaneous Measurement of Tryptophan and Kynurenine by HPLC. <i>Clinical Chemistry</i> , <b>2002</b> , 48, 579-581  | 5.5  | 161 |

|      |  |      |     |
|------|--|------|-----|
| 1040 | Cerebrospinal fluid analysis in affective and schizophrenic spectrum disorders: identification of subgroups with immune responses and blood-CSF barrier dysfunction. <i>Journal of Psychiatric Research</i> , <b>2010</b> , 44, 321-30 | 5.2  | 159 |
| 1039 | Cerebrospinal fluid neopterin: an informative biomarker of central nervous system immune activation in HIV-1 infection. <i>AIDS Research and Therapy</i> , <b>2010</b> , 7, 15   | 3    | 152 |
| 1038 | Simultaneous measurement of serum tryptophan and kynurenine by HPLC. <i>Clinical Chemistry</i> , <b>1997</b> , 43, 2424-6  | 5.5  | 149 |
| 1037 | Characteristics of interferon induced tryptophan metabolism in human cells in vitro. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1989</b> , 1012, 140-7  | 4.9  | 146 |
| 1036 | Immunohistochemical localization of interleukin-6 and its receptor in benign, premalignant and malignant prostate tissue. <i>Journal of Pathology</i> , <b>2000</b> , 191, 239-44  | 9.4  | 145 |
| 1035 | Decreased serum tryptophan concentration predicts poor prognosis in malignant melanoma patients. <i>Dermatology</i> , <b>2007</b> , 214, 8-14  | 4.4  | 143 |
| 1034 | Human macrophages degrade tryptophan upon induction by interferon-gamma. <i>Life Sciences</i> , <b>1987</b> , 41, 273-80   | 6.8  | 143 |
| 1033 | Immune activation of the central nervous system is still present after >4 years of effective highly active antiretroviral therapy. <i>Journal of Infectious Diseases</i> , <b>2007</b> , 196, 1779-83                                  | 7    | 142 |
| 1032 | Autoimmune psychosis: an international consensus on an approach to the diagnosis and management of psychosis of suspected autoimmune origin. <i>Lancet Psychiatry</i> , <b>2020</b> , 7, 93-108  | 23.3 | 138 |
| 1031 | Interferon-gamma-triggered indoleamine 2,3-dioxygenase competence in human monocyte-derived dendritic cells induces regulatory activity in allogeneic T cells. <i>Blood</i> , <b>2009</b> , 114, 3235-43                               | 2.2  | 136 |
| 1030 | CTLA-4 blockade decreases TGF-beta, IDO, and viral RNA expression in tissues of SIVmac251-infected macaques. <i>Blood</i> , <b>2006</b> , 108, 3834-42   | 2.2  | 133 |
| 1029 | Increasing production of homocysteine and neopterin and degradation of tryptophan with older age. <i>Clinical Biochemistry</i> , <b>2004</b> , 37, 684-7   | 3.5  | 130 |
| 1028 | Neopterin modulates toxicity mediated by reactive oxygen and chloride species. <i>FEBS Letters</i> , <b>1993</b> , 321, 89-92  | 3.8  | 127 |
| 1027 | Interleukin-6 stimulation of growth of prostate cancer in vitro and in vivo through activation of the androgen receptor. <i>Endocrine-Related Cancer</i> , <b>2009</b> , 16, 155-69  | 5.7  | 125 |
| 1026 | Immune activation and degradation of tryptophan in coronary heart disease. <i>European Journal of Clinical Investigation</i> , <b>2003</b> , 33, 550-4   | 4.6  | 122 |
| 1025 | Decreased serum tryptophan in patients with HIV-1 infection correlates with increased serum neopterin and with neurologic/psychiatric symptoms. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1990</b> , 3, 873-6        |      | 122 |
| 1024 | Cerebrospinal fluid and neuroimaging biomarker abnormalities suggest early neurological injury in a subset of individuals during primary HIV infection. <i>Journal of Infectious Diseases</i> , <b>2013</b> , 207, 1703-12             | 7    | 120 |
| 1023 | Increased endogenous interferon-gamma and neopterin correlate with increased degradation of tryptophan in human immunodeficiency virus type 1 infection. <i>Immunology Letters</i> , <b>1991</b> , 28, 207-11                          | 4.1  | 116 |

|      |   |     |     |
|------|---|-----|-----|
| 1022 | Probiotic Supplementation in Patients with Alzheimer's Dementia - An Explorative Intervention Study. <i>Current Alzheimer Research</i> , <b>2018</b> , 15, 1106-1113  | 3   | 116 |
| 1021 | Neopterin, a prognostic marker in human malignancies. <i>Cancer Letters</i> , <b>2010</b> , 287, 13-22  | 9.9 | 115 |
| 1020 | Pteridines as a new marker to detect human T cells activated by allogeneic or modified self major histocompatibility complex (MHC) determinants. <i>Journal of Immunology</i> , <b>1983</b> , 130, 1047-50                                    | 5.3 | 115 |
| 1019 | Overexpression of indoleamine 2,3-dioxygenase in human inflammatory bowel disease. <i>Clinical Immunology</i> , <b>2004</b> , 113, 47-55  | 9   | 113 |
| 1018 | Increased neopterin production and tryptophan degradation in advanced Parkinson's disease. <i>Journal of Neural Transmission</i> , <b>2002</b> , 109, 181-9   | 4.3 | 112 |
| 1017 | Inflammation, adiponectin, obesity and cardiovascular risk. <i>Current Medicinal Chemistry</i> , <b>2010</b> , 17, 4511-20  | 3   | 110 |
| 1016 | Decreased plasma tryptophan in pregnancy. <i>Obstetrics and Gynecology</i> , <b>1996</b> , 88, 47-50  | 4.9 | 110 |
| 1015 | Obesity-related dysregulation of the tryptophan-kynurenine metabolism: role of age and parameters of the metabolic syndrome. <i>Obesity</i> , <b>2014</b> , 22, 195-201   | 8   | 109 |
| 1014 | Urinary neopterin reflects clinical activity in patients with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , <b>1986</b> , 29, 1063-70   |     | 109 |
| 1013 | Central nervous system immune activation characterizes primary human immunodeficiency virus 1 infection even in participants with minimal cerebrospinal fluid viral burden. <i>Journal of Infectious Diseases</i> , <b>2011</b> , 204, 753-60 | 7   | 108 |
| 1012 | Malondialdehyde, carbonyl proteins and albumin-disulphide as useful oxidative markers in mild cognitive impairment and Alzheimer's disease. <i>Free Radical Research</i> , <b>2008</b> , 42, 633-8  | 4   | 107 |
| 1011 | Increased neopterin concentrations in patients with cancer: indicator of oxidative stress?. <i>Anticancer Research</i> , <b>1999</b> , 19, 1721-8   | 2.3 | 107 |
| 1010 | Interferon-gamma-induced tryptophan degradation: neuropsychiatric and immunological consequences. <i>Current Drug Metabolism</i> , <b>2000</b> , 1, 193-204   | 3.5 | 105 |
| 1009 | Increased concentrations of neopterin in carotid atherosclerosis. <i>Atherosclerosis</i> , <b>1994</b> , 106, 263-71  | 3.1 | 105 |
| 1008 | Neopterin as a new biochemical marker for diagnosis of allograft rejection. Experience based upon evaluation of 100 consecutive cases. <i>Transplantation</i> , <b>1983</b> , 36, 650-3   | 1.8 | 104 |
| 1007 | Modulation of neopterin formation and tryptophan degradation by Th1- and Th2-derived cytokines in human monocytic cells. <i>Clinical and Experimental Immunology</i> , <b>1999</b> , 116, 435-40  | 6.2 | 103 |
| 1006 | Redox regulation of the immune response. <i>Redox Report</i> , <b>2013</b> , 18, 88-94  | 5.9 | 102 |
| 1005 | Immune activation driven by CTLA-4 blockade augments viral replication at mucosal sites in simian immunodeficiency virus infection. <i>Journal of Immunology</i> , <b>2008</b> , 180, 5439-47   | 5.3 | 102 |

|      |  |      |     |
|------|--|------|-----|
| 1004 | The role of neopterin in atherogenesis and cardiovascular risk assessment. <i>Current Medicinal Chemistry</i> , <b>2009</b> , 16, 4644-53  | 4.3  | 101 |
| 1003 | Biomarker evidence of axonal injury in neuroasymptomatic HIV-1 patients. <i>PLoS ONE</i> , <b>2014</b> , 9, e88591   | 3.7  | 100 |
| 1002 | Low levels of HIV-1 RNA detected in the cerebrospinal fluid after up to 10 years of suppressive therapy are associated with local immune activation. <i>Aids</i> , <b>2014</b> , 28, 2251-8  | 3.5  | 100 |
| 1001 | Crucial role of interferon-gamma and stimulated macrophages in cardiovascular disease. <i>Current Vascular Pharmacology</i> , <b>2006</b> , 4, 205-13  | 3.3  | 99  |
| 1000 | Immune activation and the anaemia associated with chronic inflammatory disorders. <i>European Journal of Haematology</i> , <b>1991</b> , 46, 65-70   | 3.8  | 97  |
| 999  | Enhanced tryptophan degradation in systemic lupus erythematosus. <i>Immunobiology</i> , <b>2000</b> , 201, 621-30  | 3.4  | 97  |
| 998  | An enzyme in the kynurenine pathway that governs vulnerability to suicidal behavior by regulating excitotoxicity and neuroinflammation. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e865  | 8.6  | 95  |
| 997  | Prostate cancer cells (LNCaP) generated after long-term interleukin 6 (IL-6) treatment express IL-6 and acquire an IL-6 partially resistant phenotype. <i>Clinical Cancer Research</i> , <b>2001</b> , 7, 2941-8   | 12.9 | 94  |
| 996  | Neopterin concentrations in cerebrospinal fluid and serum of individuals infected with HIV-1. <i>Aids</i> , <b>1989</b> , 3, 285-8   | 3.5  | 93  |
| 995  | Accelerated in vivo growth of prostate tumors that up-regulate interleukin-6 is associated with reduced retinoblastoma protein expression and activation of the mitogen-activated protein kinase pathway. <i>American Journal of Pathology</i> , <b>2003</b> , 162, 655-63 | 5.8  | 92  |
| 994  | Blunted erythropoietic response to anemia in multiply traumatized patients. <i>Critical Care Medicine</i> , <b>2001</b> , 29, 743-7  | 1.4  | 92  |
| 993  | Endogenous release of interferon-gamma and diminished response of peripheral blood mononuclear cells to antigenic stimulation. <i>Immunology Letters</i> , <b>1989</b> , 23, 103-8   | 4.1  | 92  |
| 992  | Antiretroviral adherence issues among HIV-positive adolescents and young adults. <i>Journal of Adolescent Health</i> , <b>1999</b> , 25, 316-9   | 5.8  | 91  |
| 991  | Mood, food, and cognition: role of tryptophan and serotonin. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2016</b> , 19, 55-61   | 3.8  | 91  |
| 990  | Iron modulates interferon-gamma effects in the human myelomonocytic cell line THP-1. <i>Experimental Hematology</i> , <b>1992</b> , 20, 605-10   | 3.1  | 90  |
| 989  | Persistent intrathecal immune activation in HIV-1-infected individuals on antiretroviral therapy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2008</b> , 47, 168-73   | 3.1  | 88  |
| 988  | Determination of neopterin in human urine by reversed-phase high-performance liquid chromatography. <i>Biomedical Applications</i> , <b>1982</b> , 227, 61-70  |      | 88  |
| 987  | The antiapoptotic effect of IL-6 autocrine loop in a cellular model of advanced prostate cancer is mediated by Mcl-1. <i>Oncogene</i> , <b>2007</b> , 26, 2822-32  | 9.2  | 87  |

|     |  |     |    |
|-----|--|-----|----|
| 986 | Neopterin Is an Independent Prognostic Variable in Females with Breast Cancer. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 1998-2004   | 5.5 | 87 |
| 985 | Cerebrospinal fluid viral load, intrathecal immunoactivation, and cerebrospinal fluid monocytic cell count in HIV-1 infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>1999</b> , 21, 271-6 | 3.1 | 87 |
| 984 | Neopterin as an index of immune response in patients with tuberculosis. <i>Lung</i> , <b>1984</b> , 162, 337-46  | 2.9 | 86 |
| 983 | IL-22 and IDO1 affect immunity and tolerance to murine and human vaginal candidiasis. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003486  | 7.6 | 85 |
| 982 | Non-invasive monitoring of kidney allograft rejection through IDO metabolism evaluation. <i>Kidney International</i> , <b>2007</b> , 71, 60-7  | 9.9 | 85 |
| 981 | Regulatory T-cell markers, indoleamine 2,3-dioxygenase, and virus levels in spleen and gut during progressive simian immunodeficiency virus infection. <i>Journal of Virology</i> , <b>2007</b> , 81, 11593-603        | 6.6 | 85 |
| 980 | Long-term effect of preventive therapy for tuberculosis in a cohort of HIV-infected Zambian adults. <i>Aids</i> , <b>2001</b> , 15, 215-22   | 3.5 | 85 |
| 979 | Neopterin as a predictive marker for disease progression in human immunodeficiency virus type 1 infection.. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 1746-1749  | 5.5 | 85 |
| 978 | Phenotypic and functional markers for 1alpha,25-dihydroxyvitamin D(3)-modified regulatory dendritic cells. <i>Clinical and Experimental Immunology</i> , <b>2009</b> , 157, 48-59                                      | 6.2 | 84 |
| 977 | Tryptophan degradation increases with stage in patients with rheumatoid arthritis. <i>Clinical Rheumatology</i> , <b>2006</b> , 25, 334-7  | 3.9 | 84 |
| 976 | Tumour necrosis factor-alpha and lipopolysaccharide enhance interferon-induced tryptophan degradation and pteridine synthesis in human cells. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1989</b> , 370, 1063-9     |     | 84 |
| 975 | Neopterin as a predictor of total and cardiovascular mortality in individuals undergoing angiography in the Ludwigshafen Risk and Cardiovascular Health study. <i>Clinical Chemistry</i> , <b>2009</b> , 55, 1135-46   | 5.5 | 83 |
| 974 | Hyperhomocysteinemia in dementia. <i>Journal of Neural Transmission</i> , <b>2000</b> , 107, 1469-74   | 4.3 | 83 |
| 973 | Fructose- and sorbitol-reduced diet improves mood and gastrointestinal disturbances in fructose malabsorbers. <i>Scandinavian Journal of Gastroenterology</i> , <b>2000</b> , 35, 1048-52                              | 2.4 | 83 |
| 972 | Simultaneous determination of neopterin and creatinine in serum with solid-phase extraction and on-line elution liquid chromatography.. <i>Clinical Chemistry</i> , <b>1987</b> , 33, 2028-2033                        | 5.5 | 82 |
| 971 | Chronic immune activation underlies morbid obesity: is IDO a key player?. <i>Current Drug Metabolism</i> , <b>2007</b> , 8, 289-95   | 3.5 | 81 |
| 970 | Immune changes and neurotransmitters: possible interactions in depression?. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2014</b> , 48, 268-76   | 5.5 | 80 |
| 969 | Translational regulation via iron-responsive elements by the nitric oxide/NO-synthase pathway. <i>EMBO Journal</i> , <b>1993</b> , 12, 3651-7  | 13  | 79 |



|     |  |      |    |
|-----|--|------|----|
| 968 | Inverse association between serum concentrations of neopterin and antioxidants in patients with and without angiographic coronary artery disease. <i>Atherosclerosis</i> , <b>2009</b> , 202, 543-9  | 3.1  | 78 |
| 967 | Immune activation and decreased tryptophan in patients with HIV-1 infection. <i>Journal of Interferon Research</i> , <b>1990</b> , 10, 599-603   |      | 78 |
| 966 | Antitumoral activity of interferon-gamma involved in impaired immune function in cancer patients. <i>Current Drug Metabolism</i> , <b>2006</b> , 7, 599-612  | 3.5  | 76 |
| 965 | Neopterin formation and tryptophan degradation by a human myelomonocytic cell line (THP-1) upon cytokine treatment. <i>Cancer Research</i> , <b>1990</b> , 50, 2863-7  | 10.1 | 76 |
| 964 | More rapid method for simultaneous measurement of tryptophan and kynurenine by HPLC. <i>Clinical Chemistry</i> , <b>2002</b> , 48, 579-81  | 5.5  | 76 |
| 963 | Monocyte-derived dendritic cells release neopterin. <i>Journal of Leukocyte Biology</i> , <b>2002</b> , 72, 1148-53  | 6.5  | 75 |
| 962 | Association between immune activation, changes of iron metabolism and anaemia in patients with HIV infection. <i>European Journal of Haematology</i> , <b>1993</b> , 50, 90-4  | 3.8  | 73 |
| 961 | Induction of indoleamine 2,3-dioxygenase in vascular smooth muscle cells by interferon-gamma contributes to medial immunoprivilege. <i>Journal of Immunology</i> , <b>2007</b> , 179, 5246-54  | 5.3  | 73 |
| 960 | Rapid development of vaccine protection in macaques by live-attenuated simian immunodeficiency virus. <i>Journal of General Virology</i> , <b>1996</b> , 77 ( Pt 12), 2969-81  | 4.9  | 73 |
| 959 | Serum phenylalanine concentrations in patients with ovarian carcinoma correlate with concentrations of immune activation markers and of isoprostane-8. <i>Cancer Letters</i> , <b>2008</b> , 272, 141-7  | 9.9  | 72 |
| 958 | Effective antiretroviral therapy reduces degradation of tryptophan in patients with HIV-1 infection. <i>Clinical Immunology</i> , <b>2002</b> , 104, 242-7   | 9    | 72 |
| 957 | Increased Intrathecal Immune Activation in Virally Suppressed HIV-1 Infected Patients with Neurocognitive Impairment. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157160   | 3.7  | 71 |
| 956 | Cerebrospinal fluid (CSF) neuronal biomarkers across the spectrum of HIV infection: hierarchy of injury and detection. <i>PLoS ONE</i> , <b>2014</b> , 9, e116081  | 3.7  | 70 |
| 955 | Antioxidants may increase the probability of developing allergic diseases and asthma. <i>Medical Hypotheses</i> , <b>2005</b> , 64, 973-7  | 3.8  | 70 |
| 954 | Tryptophan degradation in patients infected by human immunodeficiency virus. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1988</b> , 369, 337-40  |      | 70 |
| 953 | vpr deletion mutant of simian immunodeficiency virus induces AIDS in rhesus monkeys. <i>Journal of Virology</i> , <b>1995</b> , 69, 4807-13  | 6.6  | 70 |
| 952 | Value of serum procalcitonin, neopterin, and C-reactive protein in differentiating bacterial from viral etiologies in patients presenting with lower respiratory tract infections. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2007</b> , 59, 131-6 | 2.9  | 69 |
| 951 | Neopterin in HIV-1 infection. <i>Molecular Immunology</i> , <b>2005</b> , 42, 183-94   | 4.3  | 69 |



|     |   |      |    |
|-----|---|------|----|
| 950 | Tryptophan degradation in patients with gynecological cancer correlates with immune activation. <i>Cancer Letters</i> , <b>2005</b> , 223, 323-9  | 9.9  | 69 |
| 949 | Prenatal depression and anxiety in Toxoplasma gondii-positive women. <i>American Journal of Obstetrics and Gynecology</i> , <b>2011</b> , 204, 433.e1-7   | 6.4  | 68 |
| 948 | Bariatric surgery cannot prevent tryptophan depletion due to chronic immune activation in morbidly obese patients. <i>Obesity Surgery</i> , <b>2006</b> , 16, 541-8   | 3.7  | 68 |
| 947 | Is hyperhomocysteinemia due to the oxidative depletion of folate rather than to insufficient dietary intake?. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2001</b> , 39, 691-4                             | 5.9  | 68 |
| 946 | Posttransplant neopterin excretion in renal allograft recipients--a reliable diagnostic aid for acute rejection and a predictive marker of long-term graft survival. <i>Transplantation</i> , <b>1991</b> , 52, 58-63 | 1.8  | 68 |
| 945 | Clinical significance of neopterin for prognosis and follow-up in ovarian cancer. <i>Cancer Research</i> , <b>1987</b> , 47, 4977-81  | 10.1 | 67 |
| 944 | Disturbed tryptophan metabolism in cardiovascular disease. <i>Current Medicinal Chemistry</i> , <b>2014</b> , 21, 1931-7  | 4.3  | 67 |
| 943 | Ascitic interleukin-12 is an independent prognostic factor in ovarian cancer. <i>Journal of Clinical Oncology</i> , <b>1998</b> , 16, 1861-8  | 2.2  | 66 |
| 942 | IDO and regulatory T cell support are critical for cytotoxic T lymphocyte-associated Ag-4 Ig-mediated long-term solid organ allograft survival. <i>Journal of Immunology</i> , <b>2012</b> , 188, 37-46               | 5.3  | 65 |
| 941 | CSF Biomarkers in Patients With COVID-19 and Neurologic Symptoms: A Case Series. <i>Neurology</i> , <b>2021</b> , 96, e294-e300   | 6.5  | 65 |
| 940 | Assessment of immunotoxicity parameters in individuals occupationally exposed to lead. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2012</b> , 75, 807-18                      | 3.2  | 64 |
| 939 | Serum phenylalanine in patients post trauma and with sepsis correlate to neopterin concentrations. <i>Amino Acids</i> , <b>2008</b> , 35, 303-7   | 3.5  | 64 |
| 938 | Resveratrol suppresses interferon-gamma-induced biochemical pathways in human peripheral blood mononuclear cells in vitro. <i>Immunology Letters</i> , <b>2005</b> , 100, 159-63                                      | 4.1  | 64 |
| 937 | In vitro testing for anti-inflammatory properties of compounds employing peripheral blood mononuclear cells freshly isolated from healthy donors. <i>Inflammation Research</i> , <b>2011</b> , 60, 127-35             | 7.2  | 63 |
| 936 | Food preservatives sodium benzoate and propionic acid and colorant curcumin suppress Th1-type immune response in vitro. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 1950-6                                | 4.7  | 63 |
| 935 | Quality of life and immune activation in patients with HIV-infection. <i>Brain, Behavior, and Immunity</i> , <b>2008</b> , 22, 881-9  | 16.6 | 63 |
| 934 | Rapid measurement of total plasma homocysteine by HPLC. <i>Clinica Chimica Acta</i> , <b>2003</b> , 331, 19-23  | 6.2  | 63 |
| 933 | Serum soluble markers of immune activation and disease activity in systemic lupus erythematosus. <i>Lupus</i> , <b>1995</b> , 4, 29-32  | 2.6  | 63 |

|     |  |      |    |
|-----|--|------|----|
| 932 | Cerebrospinal fluid neopterin concentrations in central nervous system infection. <i>Journal of Infectious Diseases</i> , <b>1993</b> , 168, 1285-8  | 7    | 63 |
| 931 | Immune activation and anemia of chronic disorders [letter; comment]. <i>Blood</i> , <b>1993</b> , 81, 1404-1404  | 2.2  | 63 |
| 930 | Randomised clinical trial: the effects of a multispecies probiotic vs. placebo on innate immune function, bacterial translocation and gut permeability in patients with cirrhosis. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2016</b> , 44, 926-935 | 6.1  | 62 |
| 929 | Food preservatives sodium sulfite and sorbic acid suppress mitogen-stimulated peripheral blood mononuclear cells. <i>Food and Chemical Toxicology</i> , <b>2006</b> , 44, 2003-7   | 4.7  | 61 |
| 928 | Efficient class I major histocompatibility complex down-regulation by simian immunodeficiency virus Nef is associated with a strong selective advantage in infected rhesus macaques. <i>Journal of Virology</i> , <b>2001</b> , 75, 10532-6                    | 6.6  | 61 |
| 927 | Increase in immune activation, vascular endothelial growth factor and erythropoietin after an ultramarathon run at moderate altitude. <i>Immunobiology</i> , <b>2000</b> , 201, 611-20   | 3.4  | 61 |
| 926 | Factors influencing serum neopterin and beta 2-microglobulin levels in a healthy diverse population. <i>Journal of Clinical Immunology</i> , <b>1994</b> , 14, 368-74  | 5.7  | 61 |
| 925 | Antifungal properties of selective serotonin reuptake inhibitors against <i>Aspergillus</i> species in vitro. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2001</b> , 48, 775-9   | 5.1  | 60 |
| 924 | Induction of inducible nitric oxide synthase expression by neopterin in vascular smooth muscle cells. <i>FEBS Letters</i> , <b>1995</b> , 377, 461-4   | 3.8  | 60 |
| 923 | Probiotic Supplements Beneficially Affect Tryptophan-Kynurenine Metabolism and Reduce the Incidence of Upper Respiratory Tract Infections in Trained Athletes: A Randomized, Double-Blinded, Placebo-Controlled Trial. <i>Nutrients</i> , <b>2016</b> , 8,     | 6.7  | 60 |
| 922 | Increased blood phenylalanine to tyrosine ratio in HIV-1 infection and correction following effective antiretroviral therapy. <i>Brain, Behavior, and Immunity</i> , <b>2010</b> , 24, 403-8   | 16.6 | 59 |
| 921 | Association between insulin resistance, body mass and neopterin concentrations. <i>Clinica Chimica Acta</i> , <b>1999</b> , 282, 115-23  | 6.2  | 59 |
| 920 | Effects of Exhaustive Aerobic Exercise on Tryptophan-Kynurenine Metabolism in Trained Athletes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153617   | 3.7  | 59 |
| 919 | Increased degradation of tryptophan in blood of patients with rheumatoid arthritis. <i>Journal of Rheumatology</i> , <b>2003</b> , 30, 1935-9  | 4.1  | 59 |
| 918 | Combined effect of antiretroviral therapy and blockade of IDO in SIV-infected rhesus macaques. <i>Journal of Immunology</i> , <b>2009</b> , 182, 4313-20   | 5.3  | 57 |
| 917 | Raltegravir treatment intensification does not alter cerebrospinal fluid HIV-1 infection or immunoactivation in subjects on suppressive therapy. <i>Journal of Infectious Diseases</i> , <b>2011</b> , 204, 1936-45  | 7    | 57 |
| 916 | Measurement of tryptophan, kynurenine and neopterin in women with and without postpartum blues. <i>Journal of Affective Disorders</i> , <b>2005</b> , 86, 135-42   | 6.6  | 57 |
| 915 | Activated immune system in patients with Huntington's disease. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>1998</b> , 36, 747-50  | 5.9  | 57 |

|     |  |     |    |
|-----|--|-----|----|
| 914 | Longitudinal study of tryptophan degradation during and after pregnancy. <i>Life Sciences</i> , <b>2003</b> , 72, 785-93   | 3.8 | 56 |
| 913 | Alveolar granulocyte colony-stimulating factor and alpha-chemokines in relation to serum levels, pulmonary neutrophilia, and severity of lung injury in ARDS. <i>Chest</i> , <b>2004</b> , 125, 212-9  | 5.3 | 56 |
| 912 | Aqueous extracts of <i>Crinum latifolium</i> (L.) and <i>Camellia sinensis</i> show immunomodulatory properties in human peripheral blood mononuclear cells. <i>International Immunopharmacology</i> , <b>2001</b> , 1, 2143-50                  | 5.8 | 56 |
| 911 | Enhancement of hydrogen peroxide-induced luminol-dependent chemiluminescence by neopterin depends on the presence of iron chelator complexes. <i>FEBS Letters</i> , <b>1994</b> , 338, 223-6   | 3.8 | 56 |
| 910 | Interferon-gamma concentrations are increased in sera from individuals infected with human immunodeficiency virus type 1. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1989</b> , 2, 158-62                                       |     | 56 |
| 909 | Neopterin <b>1992</b> ,  |     | 56 |
| 908 | Indoleamine 2,3 Dioxygenase (IDO) Expression and Activity in Relapsing-Remitting Multiple Sclerosis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130715  | 3.7 | 55 |
| 907 | Successful restoration of cell-mediated immune response after cardiopulmonary bypass by immunomodulation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1993</b> , 105, 15-24   | 1.5 | 54 |
| 906 | Immunization with tween-ether-treated SIV adsorbed onto aluminum hydroxide protects monkeys against experimental SIV infection. <i>Virology</i> , <b>1992</b> , 186, 588-96  | 3.6 | 54 |
| 905 | Urinary neopterin concentrations vs total neopterins for clinical utility.. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 2305-2307  | 5.3 | 54 |
| 904 | Tryptophan Metabolism and Related Pathways in Psychoneuroimmunology: The Impact of Nutrition and Lifestyle. <i>Neuropsychobiology</i> , <b>2020</b> , 79, 89-99  | 4   | 54 |
| 903 | Vascular endothelial expression of indoleamine 2,3-dioxygenase 1 forms a positive gradient towards the feto-maternal interface. <i>PLoS ONE</i> , <b>2011</b> , 6, e21774  | 3.7 | 53 |
| 902 | Nocturnal sleep EEG in patients with HIV infection. <i>European Archives of Psychiatry and Neurological Sciences</i> , <b>1991</b> , 240, 153-8  |     | 53 |
| 901 | Chronic immune stimulation, oxidative stress, and apoptosis in HIV infection. <i>Biochemical Pharmacology</i> , <b>1997</b> , 53, 755-63   | 6   | 52 |
| 900 | Atorvastatin suppresses interferon-gamma -induced neopterin formation and tryptophan degradation in human peripheral blood mononuclear cells and in monocytic cell lines. <i>Clinical and Experimental Immunology</i> , <b>2003</b> , 131, 264-7 | 6.2 | 52 |
| 899 | Aspirin down-regulates tryptophan degradation in stimulated human peripheral blood mononuclear cells in vitro. <i>Clinical and Experimental Immunology</i> , <b>2005</b> , 140, 41-5   | 6.2 | 52 |
| 898 | Effect of neopterin and 7,8-dihydroneopterin on tumor necrosis factor-alpha induced programmed cell death. <i>FEBS Letters</i> , <b>1995</b> , 364, 234-8  | 3.8 | 52 |
| 897 | Urinary neopterin is elevated in patients with malaria. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>1984</b> , 78, 545-6  | 2   | 52 |

|     |  |     |    |
|-----|--|-----|----|
| 896 | Elevated fecal calprotectin in patients with Alzheimer's dementia indicates leaky gut. <i>Journal of Neural Transmission</i> , <b>2015</b> , 122, 1319-22  | 4.3 | 51 |
| 895 | Serum tryptophan, kynurenine, phenylalanine, tyrosine and neopterin concentrations in 100 healthy blood donors. <i>Pteridines</i> , <b>2015</b> , 26, 31-36  | 0.6 | 51 |
| 894 | The good and bad of antioxidant foods: An immunological perspective. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 80, 72-79   | 4.7 | 51 |
| 893 | Tryptophan breakdown is increased in euthymic overweight individuals with bipolar disorder: a preliminary report. <i>Bipolar Disorders</i> , <b>2014</b> , 16, 432-40  | 3.8 | 51 |
| 892 | Contraceptive choices in HIV infected and HIV at-risk adolescent females. <i>Journal of Adolescent Health</i> , <b>2001</b> , 29, 93-100   | 5.8 | 51 |
| 891 | Neopterin activates transcription factor nuclear factor-kappa B in vascular smooth muscle cells. <i>FEBS Letters</i> , <b>1996</b> , 391, 181-4  | 3.8 | 51 |
| 890 | Immunologic markers of progression to acquired immunodeficiency syndrome are time-dependent and illness-specific. <i>American Journal of Epidemiology</i> , <b>1992</b> , 136, 71-80   | 3.8 | 51 |
| 889 | Elevated urinary neopterin levels in patients with the acquired immunodeficiency syndrome (AIDS). A preliminary report. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1983</b> , 364, 1345-6                  |     | 51 |
| 888 | Frailty in Older Adults Is Associated With Plasma Concentrations of Inflammatory Mediators but Not With Lymphocyte Subpopulations. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1056  | 8.4 | 50 |
| 887 | Treatment intensification has no effect on the HIV-1 central nervous system infection in patients on suppressive antiretroviral therapy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2010</b> , 55, 590-6 | 3.1 | 50 |
| 886 | Continuing intrathecal immunoactivation despite two years of effective antiretroviral therapy against HIV-1 infection. <i>Aids</i> , <b>2002</b> , 16, 2145-9  | 3.5 | 50 |
| 885 | Neopterin and 7,8-dihydroneopterin induce apoptosis in the rat alveolar epithelial cell line L2. <i>FEBS Letters</i> , <b>1996</b> , 397, 263-8  | 3.8 | 50 |
| 884 | Markers of immune stimulation in the cerebrospinal fluid during HIV infection: a longitudinal study. <i>Scandinavian Journal of Infectious Diseases</i> , <b>1994</b> , 26, 523-33   |     | 50 |
| 883 | Impact of tumour necrosis factor-alpha and interferon-gamma on tetrahydrobiopterin synthesis in murine fibroblasts and macrophages. <i>Biochemical Journal</i> , <b>1991</b> , 280 ( Pt 3), 709-14                               | 3.8 | 50 |
| 882 | Activated immune system and inflammation in healthy ageing: relevance for tryptophan and neopterin metabolism. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 6048-57  | 3.3 | 50 |
| 881 | Increased breakdown of kynurenine towards its neurotoxic branch in bipolar disorder. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172699  | 3.7 | 49 |
| 880 | Simultaneous measurement of phenylalanine and tyrosine by high performance liquid chromatography (HPLC) with fluorescence detection. <i>Clinical Biochemistry</i> , <b>2013</b> , 46, 1848-51                                    | 3.5 | 49 |
| 879 | Moderate hyperhomocysteinemia and immune activation. <i>Current Pharmaceutical Biotechnology</i> , <b>2004</b> , 5, 107-18   | 2.6 | 49 |

|     |   |      |    |
|-----|---|------|----|
| 878 | Fructose malabsorption is associated with decreased plasma tryptophan. <i>Scandinavian Journal of Gastroenterology</i> , <b>2001</b> , 36, 367-71   | 2.4  | 49 |
| 877 | Factors Influencing Serum Neopterin Concentrations in a Population of Blood Donors. <i>Clinical Chemistry</i> , <b>2002</b> , 48, 643-645   | 5.5  | 49 |
| 876 | Immune activation and inflammation in patients with cardiovascular disease are associated with higher phenylalanine to tyrosine ratios: the ludwigshafen risk and cardiovascular health study. <i>Journal of Amino Acids</i> , <b>2014</b> , 2014, 783730       |      | 48 |
| 875 | Increased blood-brain barrier permeability in neuro-asymptomatic HIV-1-infected individuals--correlation with cerebrospinal fluid HIV-1 RNA and neopterin levels. <i>Journal of NeuroVirology</i> , <b>2001</b> , 7, 542-7                                      | 3.9  | 48 |
| 874 | Weight loss in patients with hematological neoplasias is associated with immune system stimulation. <i>The Clinical Investigator</i> , <b>1993</b> , 71, 37-41  |      | 48 |
| 873 | Neopterin as a new biochemical marker in the clinical monitoring of bone marrow transplant recipients. <i>Transplantation</i> , <b>1984</b> , 38, 497-500   | 1.8  | 48 |
| 872 | Decreased plasma concentrations of HDL cholesterol in HIV-infected individuals are associated with immune activation. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1994</b> , 7, 1149-56   |      | 48 |
| 871 | Construction, replication, and immunogenic properties of a simian immunodeficiency virus expressing interleukin-2. <i>Journal of Virology</i> , <b>1997</b> , 71, 2225-32   | 6.6  | 48 |
| 870 | Cerebrospinal fluid neopterin decay characteristics after initiation of antiretroviral therapy. <i>Journal of Neuroinflammation</i> , <b>2013</b> , 10, 62  | 10.1 | 47 |
| 869 | Correlation between neopterin, interferon-gamma and haemoglobin in patients with haematological disorders. <i>European Journal of Haematology</i> , <b>1990</b> , 44, 186-9   | 3.8  | 47 |
| 868 | In vitro Effects of Beet Root Juice on Stimulated and Unstimulated Peripheral Blood Mononuclear Cells. <i>American Journal of Biochemistry and Biotechnology</i> , <b>2005</b> , 1, 180-185   | 0.4  | 47 |
| 867 | Cerebral white matter integrity during primary HIV infection. <i>Aids</i> , <b>2015</b> , 29, 433-42  | 3.5  | 46 |
| 866 | Inflammation-Induced Tryptophan Breakdown is Related With Anemia, Fatigue, and Depression in Cancer. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 249   | 8.4  | 46 |
| 865 | In vitro effects of two extracts and two pure alkaloid preparations of <i>Uncaria tomentosa</i> on peripheral blood mononuclear cells. <i>Planta Medica</i> , <b>2004</b> , 70, 205-10  | 3.1  | 46 |
| 864 | Homozygosity for a conserved Mhc class II DQ-DRB haplotype is associated with rapid disease progression in simian immunodeficiency virus-infected macaques: results from a prospective study. <i>Journal of Infectious Diseases</i> , <b>2000</b> , 182, 716-24 | 7    | 46 |
| 863 | Urinary neopterin as marker for haematological neoplasias. <i>Clinica Chimica Acta</i> , <b>1981</b> , 117, 297-305   | 6.2  | 46 |
| 862 | Kynurenine pathway metabolism and immune activation: Peripheral measurements in psychiatric and co-morbid conditions. <i>Neuropharmacology</i> , <b>2017</b> , 112, 286-296   | 5.5  | 45 |
| 861 | Moderate hyperhomocysteinaemia and immune activation in patients with rheumatoid arthritis. <i>Clinica Chimica Acta</i> , <b>2003</b> , 338, 157-64   | 6.2  | 45 |

|     |   |      |    |
|-----|---|------|----|
| 860 | Ca <sup>2+</sup> /calmodulin-dependent nitric oxide synthase activity in the human cervix carcinoma cell line ME-180. <i>Biochemical Journal</i> , <b>1993</b> , 289 ( Pt 2), 357-61  | 3.8  | 45 |
| 859 | Urinary neopterin levels in acute viral hepatitis. <i>Hepatology</i> , <b>1988</b> , 8, 771-4   | 11.2 | 45 |
| 858 | Neopterin as a new biochemical marker in the clinical assessment of ulcerative colitis. <i>Immunobiology</i> , <b>1985</b> , 170, 320-6   | 3.4  | 45 |
| 857 | Longitudinal Trajectories of Brain Volume and Cortical Thickness in Treated and Untreated Primary Human Immunodeficiency Virus Infection. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 67, 1697-1704   | 11.6 | 44 |
| 856 | Vitamin E status and quality of life in the elderly: influence of inflammatory processes. <i>British Journal of Nutrition</i> , <b>2009</b> , 102, 1390-4   | 3.6  | 44 |
| 855 | Regulation of myeloperoxidase-specific T cell responses during disease remission in antineutrophil cytoplasmic antibody-associated vasculitis: the role of Treg cells and tryptophan degradation. <i>Arthritis and Rheumatism</i> , <b>2010</b> , 62, 1539-48 |      | 44 |
| 854 | Cognitive deterioration in Alzheimer's disease is accompanied by increase of plasma neopterin. <i>Journal of Psychiatric Research</i> , <b>2007</b> , 41, 694-701   | 5.2  | 43 |
| 853 | Tumor necrosis factor alpha and soluble tumor necrosis factor receptors in individuals with human immunodeficiency virus infection. <i>Immunology Letters</i> , <b>1994</b> , 41, 229-34  | 4.1  | 43 |
| 852 | Immunomodulatory therapy with thymopentin and indomethacin. Successful restoration of interleukin-2 synthesis in patients undergoing major surgery. <i>Annals of Surgery</i> , <b>1991</b> , 214, 264-73; discussion 274-5                                    | 7.8  | 43 |
| 851 | Value of urinary neopterin in the differential diagnosis of bacterial and viral infections. <i>Klinische Wochenschrift</i> , <b>1990</b> , 68, 218-22   |      | 43 |
| 850 | Urinary neopterin, a marker of clinical activity in patients with Crohn's disease. <i>Clinica Chimica Acta</i> , <b>1986</b> , 155, 11-21   | 6.2  | 43 |
| 849 | Tryptophan Metabolism in Allergic Disorders. <i>International Archives of Allergy and Immunology</i> , <b>2016</b> , 169, 203-15  | 3.7  | 43 |
| 848 | Degradation of tryptophan in neurodegenerative disorders. <i>Advances in Experimental Medicine and Biology</i> , <b>1999</b> , 467, 133-8   | 3.6  | 43 |
| 847 | Mechanisms of Inflammation-Associated Depression: Immune Influences on Tryptophan and Phenylalanine Metabolisms. <i>Current Topics in Behavioral Neurosciences</i> , <b>2017</b> , 31, 95-115   | 3.4  | 42 |
| 846 | Comparison of in vitro tests for antioxidant and immunomodulatory capacities of compounds. <i>Phytomedicine</i> , <b>2014</b> , 21, 164-71  | 6.5  | 42 |
| 845 | Potential role of antioxidant food supplements, preservatives and colorants in the pathogenesis of allergy and asthma. <i>International Archives of Allergy and Immunology</i> , <b>2012</b> , 157, 113-24  | 3.7  | 42 |
| 844 | Temporal profiling of human urine VOCs and its potential role under the ruins of collapsed buildings. <i>Toxicology Mechanisms and Methods</i> , <b>2012</b> , 22, 502-11   | 3.6  | 42 |
| 843 | Cerebrospinal fluid and plasma HIV-1 RNA levels and lopinavir concentrations following lopinavir/ritonavir regimen. <i>Scandinavian Journal of Infectious Diseases</i> , <b>2004</b> , 36, 823-8  |      | 42 |



|     |   |      |    |
|-----|---|------|----|
| 842 | Moderate hyperhomocysteinaemia and immune activation in Parkinson's disease. <i>Journal of Neural Transmission</i> , <b>2002</b> , 109, 1445-52   | 4.3  | 42 |
| 841 | Interleukin-6 and oncostatin M stimulation of proliferation of prostate cancer 22Rv1 cells through the signaling pathways of p38 mitogen-activated protein kinase and phosphatidylinositol 3-kinase. <i>Prostate</i> , <b>2005</b> , 64, 209-16 | 4.2  | 42 |
| 840 | Immune activation markers to predict AIDS and survival in HIV-1 seropositives. <i>Immunology Letters</i> , <b>1990</b> , 26, 75-9   | 4.1  | 42 |
| 839 | Abdominal obesity is associated with impaired cognitive function in euthymic bipolar individuals. <i>World Journal of Biological Psychiatry</i> , <b>2016</b> , 17, 535-46  | 3.8  | 41 |
| 838 | Cerebrospinal fluid neopterin is brain-derived and not associated with blood-CSF barrier dysfunction in non-inflammatory affective and schizophrenic spectrum disorders. <i>Journal of Psychiatric Research</i> , <b>2013</b> , 47, 1417-22     | 5.2  | 41 |
| 837 | Changes in T Cell and Dendritic Cell Phenotype from Mid to Late Pregnancy Are Indicative of a Shift from Immune Tolerance to Immune Activation. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1138  | 8.4  | 41 |
| 836 | Diminished quality of life in patients with cancer correlates with tryptophan degradation. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2007</b> , 133, 477-85  | 4.9  | 41 |
| 835 | Increased immune activation during and after physical exercise. <i>Immunobiology</i> , <b>1993</b> , 188, 194-202   | 3.4  | 41 |
| 834 | Enhanced tryptophan degradation in patients with ovarian carcinoma correlates with several serum soluble immune activation markers. <i>Immunobiology</i> , <b>2011</b> , 216, 296-301   | 3.4  | 40 |
| 833 | Deficient tryptophan catabolism along the kynurenine pathway reveals that the epididymis is in a unique tolerogenic state. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 8030-8042  | 5.4  | 40 |
| 832 | Stimulant use is associated with immune activation and depleted tryptophan among HIV-positive persons on anti-retroviral therapy. <i>Brain, Behavior, and Immunity</i> , <b>2008</b> , 22, 1257-62  | 16.6 | 40 |
| 831 | Serum HIV-1 RNA levels compared to soluble markers of immune activation to predict disease progression in HIV-1-infected individuals. <i>International Archives of Allergy and Immunology</i> , <b>1998</b> , 116, 228-39                       | 3.7  | 40 |
| 830 | Selective induction of mononuclear phagocytes to produce neopterin by interferons. <i>Immunobiology</i> , <b>1988</b> , 176, 228-35   | 3.4  | 40 |
| 829 | Hyperhomocysteinemia, pteridines and oxidative stress. <i>Current Drug Metabolism</i> , <b>2002</b> , 3, 225-32   | 3.5  | 40 |
| 828 | Peripheral markers of oxidative stress and antioxidative defense in euthymia of bipolar disorder--Gender and obesity effects. <i>Journal of Affective Disorders</i> , <b>2015</b> , 172, 367-74   | 6.6  | 39 |
| 827 | Disturbed Amino Acid Metabolism in HIV: Association with Neuropsychiatric Symptoms. <i>Frontiers in Psychiatry</i> , <b>2015</b> , 6, 97  | 5    | 39 |
| 826 | Recall responses to tetanus and diphtheria vaccination are frequently insufficient in elderly persons. <i>PLoS ONE</i> , <b>2013</b> , 8, e82967  | 3.7  | 39 |
| 825 | Delta9-tetrahydrocannabinol and cannabidiol modulate mitogen-induced tryptophan degradation and neopterin formation in peripheral blood mononuclear cells in vitro. <i>Journal of Neuroimmunology</i> , <b>2009</b> , 207, 75-82                | 3.5  | 39 |



|     |   |      |    |
|-----|---|------|----|
| 824 | Antifungal activity against <i>Candida</i> species of the selective serotonin-reuptake inhibitor, sertraline. <i>Clinical Infectious Diseases</i> , <b>2001</b> , 33, E135-6  | 11.6 | 39 |
| 823 | Carbonyl proteins as a clinical marker in Alzheimer's disease and its relation to tryptophan degradation and immune activation. <i>Clinical Laboratory</i> , <b>2010</b> , 56, 441-8                                  | 2    | 39 |
| 822 | Role of Dietary Protein and Muscular Fitness on Longevity and Aging <b>2018</b> , 9, 119-132  |      | 38 |
| 821 | Peritoneal inflammation and fatigue experiences following colorectal surgery: a pilot study. <i>Psychoneuroendocrinology</i> , <b>2008</b> , 33, 446-54   | 5    | 38 |
| 820 | Daily psychosocial stressors and cyclic response patterns in urine cortisol and neopterin in a patient with systemic lupus erythematosus. <i>Psychoneuroendocrinology</i> , <b>2003</b> , 28, 459-73                  | 5    | 38 |
| 819 | Hyperhomocysteinemia and immune activation. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2003</b> , 41, 1438-43   | 5.9  | 38 |
| 818 | Neopterin and soluble tumor necrosis factor receptor type I in alcohol-induced cirrhosis. <i>Hepatology</i> , <b>1995</b> , 21, 976-8   | 11.2 | 38 |
| 817 | Asymptomatic Cerebrospinal Fluid HIV-1 Viral Blips and Viral Escape During Antiretroviral Therapy: A Longitudinal Study. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, 1822-1825                         | 7    | 38 |
| 816 | Enhanced enzymatic degradation of tryptophan by indoleamine 2,3-dioxygenase contributes to the tryptophan-deficient state seen after major trauma. <i>Shock</i> , <b>2005</b> , 23, 209-15                            | 3.4  | 38 |
| 815 | Overactivation of plasmacytoid dendritic cells inhibits antiviral T-cell responses: a model for HIV immunopathogenesis. <i>Blood</i> , <b>2011</b> , 118, 5152-62   | 2.2  | 37 |
| 814 | Plasma levels of soluble CD27: a simple marker to monitor immune activation during potent antiretroviral therapy in HIV-1-infected subjects. <i>Clinical and Experimental Immunology</i> , <b>2002</b> , 127, 486-94  | 6.2  | 37 |
| 813 | Carbohydrate malabsorption syndromes and early signs of mental depression in females. <i>Digestive Diseases and Sciences</i> , <b>2000</b> , 45, 1255-9   | 4    | 37 |
| 812 | The human immunodeficiency virus type 1 nef gene can to a large extent replace simian immunodeficiency virus nef in vivo. <i>Journal of Virology</i> , <b>1999</b> , 73, 8371-83                                      | 6.6  | 37 |
| 811 | Intratumoral Th2 predisposition combines with an increased Th1 functional phenotype in clinical response to intravesical BCG in bladder cancer. <i>Cancer Immunology, Immunotherapy</i> , <b>2017</b> , 66, 427-440   | 7.4  | 36 |
| 810 | Food additives such as sodium sulphite, sodium benzoate and curcumin inhibit leptin release in lipopolysaccharide-treated murine adipocytes in vitro. <i>British Journal of Nutrition</i> , <b>2012</b> , 107, 826-33 | 3.6  | 36 |
| 809 | Monocyte-mediated T-cell suppression and augmented monocyte tryptophan catabolism after human hematopoietic stem-cell transplantation. <i>Blood</i> , <b>2005</b> , 105, 4127-34                                      | 2.2  | 36 |
| 808 | Immune reaction links disease progression in cancer patients with depression. <i>Medical Hypotheses</i> , <b>2000</b> , 55, 137-40  | 3.8  | 36 |
| 807 | Significance of urinary neopterin in patients with malignant tumors of the genitourinary tract. <i>Cancer</i> , <b>1985</b> , 55, 1052-5  | 6.4  | 36 |

|     |   |      |    |
|-----|---|------|----|
| 806 | Determination of neopterin in serum and urine. <i>Clinical Chemistry</i> , <b>1987</b> , 33, 62-6   | 5.5  | 36 |
| 805 | Deficiency of immunoregulatory indoleamine 2,3-dioxygenase 1 in juvenile diabetes. <i>JCI Insight</i> , <b>2018</b> , 3,  | 9.9  | 36 |
| 804 | Tryptophan Metabolism and White Matter Integrity in Schizophrenia. <i>Neuropsychopharmacology</i> , <b>2016</b> , 41, 2587-95   | 8.7  | 36 |
| 803 | Low serum tryptophan predicts higher mortality in cardiovascular disease. <i>European Journal of Clinical Investigation</i> , <b>2015</b> , 45, 247-54  | 4.6  | 35 |
| 802 | Effects of a caloric restriction weight loss diet on tryptophan metabolism and inflammatory biomarkers in overweight adults. <i>European Journal of Nutrition</i> , <b>2015</b> , 54, 101-7                     | 5.2  | 35 |
| 801 | Approach to cerebrospinal fluid (CSF) biomarker discovery and evaluation in HIV infection. <i>Journal of NeuroImmune Pharmacology</i> , <b>2013</b> , 8, 1147-58  | 6.9  | 35 |
| 800 | The potential of targeting indoleamine 2,3-dioxygenase for cancer treatment. <i>Expert Opinion on Therapeutic Targets</i> , <b>2015</b> , 19, 605-15  | 6.4  | 35 |
| 799 | IDO-Mediated Tryptophan Degradation in the Pathogenesis of Malignant Tumor Disease. <i>International Journal of Tryptophan Research</i> , <b>2010</b> , 3, 113-20   | 5.6  | 35 |
| 798 | Enteropathy in Zambians with HIV related diarrhoea: regression modelling of potential determinants of mucosal damage. <i>Gut</i> , <b>1997</b> , 41, 811-6  | 19.2 | 35 |
| 797 | Possible role of cytokine-induced tryptophan degradation in anaemia of inflammation. <i>European Journal of Haematology</i> , <b>2004</b> , 72, 130-4   | 3.8  | 35 |
| 796 | Homocysteine accumulates in supernatants of stimulated human peripheral blood mononuclear cells. <i>Clinical and Experimental Immunology</i> , <b>2003</b> , 134, 53-6  | 6.2  | 35 |
| 795 | Intrathecal immune activation is associated with cerebrospinal fluid markers of neuronal destruction in AIDS patients. <i>Journal of Neuroimmunology</i> , <b>2000</b> , 102, 51-5                              | 3.5  | 35 |
| 794 | Serum nitrite plus nitrate in infection with human immunodeficiency virus type-1. <i>Immunobiology</i> , <b>1995</b> , 193, 59-70   | 3.4  | 35 |
| 793 | Biochemistry and function of pteridine synthesis in human and murine macrophages. <i>Pathobiology</i> , <b>1991</b> , 59, 276-9   | 3.6  | 35 |
| 792 | Interferon-gamma-induced degradation of tryptophan by human cells in vitro. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1987</b> , 368, 1407-12   |      | 35 |
| 791 | Blood-Brain Barrier Disruption Is Initiated During Primary HIV Infection and Not Rapidly Altered by Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 215, 1132-1140                | 7    | 34 |
| 790 | Vitamin D deficiency parallels inflammation and immune activation, the Ludwigshafen Risk and Cardiovascular Health (LURIC) study. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2012</b> , 50, 2205-12 | 5.9  | 34 |
| 789 | Lactose malabsorption is associated with early signs of mental depression in females: a preliminary report. <i>Digestive Diseases and Sciences</i> , <b>1998</b> , 43, 2513-7                                   | 4    | 34 |

|     |  |      |    |
|-----|--|------|----|
| 788 | Increased serum neopterin in patients with HIV-1 infection is correlated with reduced in vitro interleukin-2 production. <i>Clinical and Experimental Immunology</i> , <b>1990</b> , 80, 44-8                          | 6.2  | 34 |
| 787 | ELEVATED LEVELS OF SERUM SECRETONEURIN IN PATIENTS WITH THERAPY RESISTANT CARCINOMA OF THE PROSTATE. <i>Journal of Urology</i> , <b>2000</b> , 163, 1161-1165  | 2.5  | 34 |
| 786 | Increased cerebrospinal fluid protein tau concentration in neuro-AIDS. <i>Journal of the Neurological Sciences</i> , <b>1999</b> , 171, 92-6   | 3.2  | 34 |
| 785 | Neopterin derivatives together with cyclic guanosine monophosphate induce c-fos gene expression. <i>FEBS Letters</i> , <b>1994</b> , 352, 11-4   | 3.8  | 34 |
| 784 | IDO1 suppresses inhibitor development in hemophilia A treated with factor VIII. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 3766-81  | 15.9 | 34 |
| 783 | Vitamin C and E suppress mitogen-stimulated peripheral blood mononuclear cells in vitro. <i>International Archives of Allergy and Immunology</i> , <b>2007</b> , 142, 127-32   | 3.7  | 33 |
| 782 | Increased serum neopterin concentrations in patients with Alzheimer's disease. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>1999</b> , 37, 429-31  | 5.9  | 33 |
| 781 | Tryptophan concentrations increase in cerebrospinal fluid and blood after zidovudine treatment in patients with HIV type 1 infection. <i>AIDS Research and Human Retroviruses</i> , <b>1994</b> , 10, 947-51           | 1.6  | 33 |
| 780 | Tryptophan breakdown and cognition in bipolar disorder. <i>Psychoneuroendocrinology</i> , <b>2017</b> , 81, 144-150  | 5    | 32 |
| 779 | Structural Brain Abnormalities in Successfully Treated HIV Infection: Associations With Disease and Cerebrospinal Fluid Biomarkers. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 217, 69-81                   | 7    | 32 |
| 778 | Influence of immunosuppressive agents on tryptophan degradation and neopterin production in human peripheral blood mononuclear cells. <i>Transplant Immunology</i> , <b>2011</b> , 25, 119-23                          | 1.7  | 32 |
| 777 | Neopterin and beta 2-microglobulin as prognostic indices in human immunodeficiency virus type 1 infection. <i>Infection</i> , <b>1991</b> , 19 Suppl 2, S98-102  | 5.8  | 32 |
| 776 | Neopterin production in acute schizophrenic patients: an indicator of alterations of cell-mediated immunity. <i>Psychiatry Research</i> , <b>1992</b> , 42, 121-8  | 9.9  | 32 |
| 775 | Urinary neopterin in the diagnosis of acquired immune deficiency syndrome. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>1984</b> , 3, 70-1  | 5.3  | 32 |
| 774 | Antioxidant food supplements and obesity-related inflammation. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 2330-7   | 4.3  | 32 |
| 773 | Loss of Th22 cells is associated with increased immune activation and IDO-1 activity in HIV-1 infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2014</b> , 67, 227-35                      | 3.1  | 31 |
| 772 | Simian immunodeficiency virus containing mutations in N-terminal tyrosine residues and in the PxxP motif in Nef replicates efficiently in rhesus macaques. <i>Journal of Virology</i> , <b>2000</b> , 74, 4155-64      | 6.6  | 31 |
| 771 | Daily psychosocial stressors interfere with the dynamics of urine neopterin in a patient with systemic lupus erythematosus: an integrative single-case study. <i>Psychosomatic Medicine</i> , <b>1999</b> , 61, 876-82 | 3.7  | 31 |

|     |  |     |    |
|-----|--|-----|----|
| 770 | Markers for disease progression in intravenous drug users infected with HIV-1. <i>Aids</i> , <b>1991</b> , 5, 985-91   | 3.5 | 31 |
| 769 | Serum kynurenine and neopterin concentrations in patients with cardiomyopathy. <i>Immunology Letters</i> , <b>1992</b> , 32, 125-9   | 4.1 | 31 |
| 768 | Immunomodulatory Effects of the Mycosporine-Like Amino Acids Shinorine and Porphyra-334. <i>Marine Drugs</i> , <b>2016</b> , 14,   | 6   | 31 |
| 767 | Ig-like transcript 7, but not bone marrow stromal cell antigen 2 (also known as HM1.24, tetherin, or CD317), modulates plasmacytoid dendritic cell function in primary human blood leukocytes. <i>Journal of Immunology</i> , <b>2013</b> , 190, 2622-30                         | 5.3 | 30 |
| 766 | Hydrogen breath testing versus LCT genotyping for the diagnosis of lactose intolerance: a matter of age?. <i>Clinica Chimica Acta</i> , <b>2007</b> , 383, 91-6  | 6.2 | 30 |
| 765 | Beer down-regulates activated peripheral blood mononuclear cells in vitro. <i>International Immunopharmacology</i> , <b>2006</b> , 6, 390-5  | 5.8 | 30 |
| 764 | Neopterin production and tryptophan degradation in humans infected by <i>Streptococcus pyogenes</i> . <i>Medical Microbiology and Immunology</i> , <b>2001</b> , 189, 161-3  | 4   | 30 |
| 763 | Immunologic changes after transfusion of autologous or allogeneic buffy coat-poor versus WBC-reduced blood transfusions in patients undergoing arthroplasty. II. Activation of T cells, macrophages, and cell-mediated lympholysis. <i>Transfusion</i> , <b>2000</b> , 40, 821-7 | 2.9 | 30 |
| 762 | Oxidation of 7,8-dihydroneopterin by hypochlorous acid yields neopterin. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 275, 307-11  | 3.4 | 30 |
| 761 | Neopterin-induced tumor necrosis factor-alpha synthesis in vascular smooth muscle cells in vitro. <i>International Archives of Allergy and Immunology</i> , <b>1998</b> , 116, 240-5   | 3.7 | 30 |
| 760 | T-cell activation, expression of adhesion molecules and response to ethanol in alcoholic cirrhosis. <i>Immunology Letters</i> , <b>1996</b> , 50, 179-83   | 4.1 | 30 |
| 759 | Increased serum concentrations of soluble tumor necrosis factor receptors in HIV-infected individuals are associated with immune activation. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1994</b> , 7, 79-85   |     | 30 |
| 758 | Blood-brain barrier integrity, intrathecal immunoactivation, and neuronal injury in HIV. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2016</b> , 3, e300   | 9.1 | 29 |
| 757 | Immune activation in patients with Alzheimer's disease is associated with high serum phenylalanine concentrations. <i>Journal of the Neurological Sciences</i> , <b>2013</b> , 329, 29-33  | 3.2 | 29 |
| 756 | IFN-gamma mediated pathways in patients with fatigue and chronic active Epstein Barr virus-infection. <i>Journal of Affective Disorders</i> , <b>2008</b> , 108, 171-6   | 6.6 | 29 |
| 755 | CTLA4Ig promotes the induction of hematopoietic chimerism and tolerance independently of Indoleamine-2,3-dioxygenase. <i>Transplantation</i> , <b>2007</b> , 83, 663-7   | 1.8 | 29 |
| 754 | Tryptophan Metabolites as Scavengers of Reactive Oxygen and Chlorine Species. <i>Pteridines</i> , <b>2002</b> , 13, 140-143  | 0.6 | 29 |
| 753 | The Importance of Neopterin as a Laboratory Diagnostic Marker of Immune Activation. <i>Pteridines</i> , <b>1999</b> , 10, 101-111  | 0.6 | 29 |

|     |   |     |    |
|-----|---|-----|----|
| 752 | Effects of pteridines on luminol-dependent chemiluminescence induced by chloramine-T. <i>Free Radical Biology and Medicine</i> , <b>1995</b> , 18, 515-23   | 7.8 | 29 |
| 751 | Circulating immunostimulatory protein 90K and soluble interleukin-2-receptor in human ovarian cancer. <i>International Journal of Cancer</i> , <b>1996</b> , 68, 34-8   | 7.5 | 29 |
| 750 | Urinary neopterin concentrations in rhesus monkeys after infection with simian immunodeficiency virus (SIVmac 251). <i>Aids</i> , <b>1989</b> , 3, 305-7  | 3.5 | 29 |
| 749 | Cerebrospinal fluid and serum neopterin levels in patients with Lyme neuroborreliosis. <i>Infection</i> , <b>1990</b> , 18, 210-4   | 5.8 | 29 |
| 748 | Urinary neopterin in the assessment of lymphoid and myeloid neoplasia, and neopterin levels in haemolytic anaemia and benign monoclonal gammopathy. <i>Clinical Biochemistry</i> , <b>1982</b> , 15, 34-7                                   | 3.5 | 29 |
| 747 | Measurement of urinary neopterin in normal pregnant and non-pregnant women and in women with benign and malignant genital tract neoplasms. <i>Archives of Gynecology</i> , <b>1983</b> , 233, 121-30  |     | 29 |
| 746 | Enhanced degradation of tryptophan in patients on hemodialysis. <i>Clinical Nephrology</i> , <b>2010</b> , 74, 465-70   | 2.1 | 29 |
| 745 | Schizophrenia and psychoneuroimmunology: an integrative view. <i>Current Opinion in Psychiatry</i> , <b>2015</b> , 28, 201-6  | 4.9 | 28 |
| 744 | Tryptophan Metabolism and Its Relationship with Depression and Cognitive Impairment Among HIV-infected Individuals. <i>International Journal of Tryptophan Research</i> , <b>2016</b> , 9, 79-88  | 5.6 | 28 |
| 743 | Peripheral neuropathy in primary HIV infection associates with systemic and central nervous system immune activation. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2014</b> , 66, 303-10                              | 3.1 | 28 |
| 742 | Early increase of plasma homocysteine in sepsis patients with poor outcome. <i>Molecular Medicine</i> , <b>2010</b> , 16, 498-504   | 6.2 | 28 |
| 741 | Tryptophan metabolism in allergic rhinitis: the effect of pollen allergen exposure. <i>Human Immunology</i> , <b>2010</b> , 71, 911-5   | 2.3 | 28 |
| 740 | LPS-induced NF-kappaB expression in THP-1Blue cells correlates with neopterin production and activity of indoleamine 2,3-dioxygenase. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 399, 642-6                 | 3.4 | 28 |
| 739 | Dehydroepiandrosterone, ageing and immune activation. <i>Experimental Gerontology</i> , <b>2001</b> , 36, 1739-47   | 4.5 | 28 |
| 738 | Neopterin derivatives modulate the nitration of tyrosine by peroxynitrite. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 248, 341-6  | 3.4 | 28 |
| 737 | Repeated exposure of rhesus macaques to low doses of simian immunodeficiency virus (SIV) did not protect them against the consequences of a high-dose SIV challenge. <i>Journal of General Virology</i> , <b>1995</b> , 76 ( Pt 6), 1307-15 | 4.9 | 28 |
| 736 | The dependence of cell-mediated immune activation in malaria on age and endemicity. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>1987</b> , 81, 729-33  | 2   | 28 |
| 735 | Neopterin as a predictive marker for disease progression in human immunodeficiency virus type 1 infection. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 1746-9   | 5.5 | 28 |

|     |  |      |    |
|-----|--|------|----|
| 734 | Simultaneous determination of neopterin and creatinine in serum with solid-phase extraction and on-line elution liquid chromatography. <i>Clinical Chemistry</i> , <b>1987</b> , 33, 2028-33   | 5.5  | 28 |
| 733 | Frailty Status in Older Adults Is Related to Alterations in Indoleamine 2,3-Dioxygenase 1 and Guanosine Triphosphate Cyclohydrolase I Enzymatic Pathways. <i>Journal of the American Medical Directors Association</i> , <b>2017</b> , 18, 1049-1057 | 5.9  | 27 |
| 732 | Evaluating noninvasive markers of nonhuman primate immune activation and inflammation. <i>American Journal of Physical Anthropology</i> , <b>2015</b> , 158, 673-84  | 2.5  | 27 |
| 731 | Progressive increase in central nervous system immune activation in untreated primary HIV-1 infection. <i>Journal of Neuroinflammation</i> , <b>2014</b> , 11, 199   | 10.1 | 27 |
| 730 | High serum tryptophan concentration in pollinosis patients is associated with unresponsiveness to pollen extract therapy. <i>International Archives of Allergy and Immunology</i> , <b>2008</b> , 147, 35-40   | 3.7  | 27 |
| 729 | Association of endogenous G-CSF with anti-inflammatory mediators in patients with acute respiratory distress syndrome. <i>Journal of Interferon and Cytokine Research</i> , <b>2003</b> , 23, 729-36   | 3.5  | 27 |
| 728 | Reducing HIV transmission by seronegative blood. <i>Lancet, The</i> , <b>1992</b> , 339, 130-1   | 4.0  | 27 |
| 727 | Patterns of Serological Markers for Cellular Immune Activation in Patients with Dilated Cardiomyopathy and Chronic Myocarditis. <i>Clinical Chemistry</i> , <b>1992</b> , 38, 678-680  | 5.5  | 27 |
| 726 | The Role of Vitamin D in Atherosclerosis Inflammation Revisited: More a Bystander than a Player?. <i>Current Vascular Pharmacology</i> , <b>2015</b> , 13, 392-8   | 3.3  | 27 |
| 725 | CSF concentrations of soluble TREM2 as a marker of microglial activation in HIV-1 infection. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2019</b> , 6, e512   | 9.1  | 27 |
| 724 | Weight cycling in bipolar disorder. <i>Journal of Affective Disorders</i> , <b>2015</b> , 171, 33-8  | 6.6  | 26 |
| 723 | TiO <sub>2</sub> nanoparticles and bulk material stimulate human peripheral blood mononuclear cells. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 65, 63-9  | 4.7  | 26 |
| 722 | Longitudinal characterization of depression and mood states beginning in primary HIV infection. <i>AIDS and Behavior</i> , <b>2014</b> , 18, 1124-32   | 4.3  | 26 |
| 721 | Divergent modulation of Chlamydia pneumoniae infection cycle in human monocytic and endothelial cells by iron, tryptophan availability and interferon gamma. <i>Immunobiology</i> , <b>2010</b> , 215, 842-8 <sup>3,4</sup>                          | 3.4  | 26 |
| 720 | Association between the activation of macrophages, changes of iron metabolism and the degree of anaemia in patients with malignant disorders. <i>European Journal of Haematology</i> , <b>1992</b> , 48, 244-8                                       | 3.8  | 26 |
| 719 | Neopterin, beta 2-microglobulin, and acute phase proteins in HIV-1-seropositive and -seronegative Zambian patients with tuberculosis. <i>Lung</i> , <b>1997</b> , 175, 265-75  | 2.9  | 26 |
| 718 | Neopterin induces nitric oxide-dependent apoptosis in rat vascular smooth muscle cells. <i>Immunobiology</i> , <b>1998</b> , 199, 63-73  | 3.4  | 26 |
| 717 | Detection of serum neopterin for early assessment of dengue virus infection. <i>Journal of Infection</i> , <b>2006</b> , 53, 152-8   | 18.9 | 26 |



|     |  |      |    |
|-----|--|------|----|
| 716 | Formation of oxygen radicals in solutions of 7,8-dihydroneopterin. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 264, 262-7   | 3.4  | 26 |
| 715 | Neopterin estimation compared with the ratio of T-cell subpopulations in persons infected with human immunodeficiency virus-1.. <i>Clinical Chemistry</i> , <b>1988</b> , 34, 2415-2417  | 5.5  | 26 |
| 714 | Cerebrospinal fluid viral load in HIV-1-infected patients without antiretroviral treatment: a longitudinal study. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1998</b> , 17, 291-5   |      | 26 |
| 713 | Neopterin is an independent prognostic variable in females with breast cancer. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 1998-2004   | 5.5  | 26 |
| 712 | Combined Toxoplasma gondii seropositivity and high blood kynurenine--Linked with nonfatal suicidal self-directed violence in patients with schizophrenia. <i>Journal of Psychiatric Research</i> , <b>2016</b> , 72, 74-81                         | 5.2  | 25 |
| 711 | Association between increased tryptophan degradation and depression in cancer patients. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2011</b> , 14, 49-56  | 3.8  | 25 |
| 710 | Low levels of serum asymmetric antibodies as a marker of threatened pregnancy. <i>Journal of Reproductive Immunology</i> , <b>2009</b> , 79, 201-10  | 4.2  | 25 |
| 709 | Immunomodulatory effects of Turkish propolis: changes in neopterin release and tryptophan degradation. <i>Immunobiology</i> , <b>2009</b> , 214, 129-34  | 3.4  | 25 |
| 708 | Cacao extracts suppress tryptophan degradation of mitogen-stimulated peripheral blood mononuclear cells. <i>Journal of Ethnopharmacology</i> , <b>2009</b> , 122, 261-7  | 5    | 25 |
| 707 | Differential effect of type I and type II interferons on neopterin production and amino acid metabolism in human astrocyte-derived cells. <i>Neuroscience Letters</i> , <b>2008</b> , 438, 22-5  | 3.3  | 25 |
| 706 | Antioxidants suppress Th1-type immune response in vitro. <i>Drug Metabolism Letters</i> , <b>2007</b> , 1, 166-71  | 2.1  | 25 |
| 705 | Potential of urinary neopterin excretion in differentiating chronic non-A, non-B hepatitis from fatty liver. <i>Lancet, The</i> , <b>1987</b> , 2, 1235-7  | 4.0  | 25 |
| 704 | Putamen volume and its clinical and neurological correlates in primary HIV infection. <i>Aids</i> , <b>2016</b> , 30, 1789-94  | 3.3  | 25 |
| 703 | Persistent central nervous system immune activation following more than 10 years of effective HIV antiretroviral treatment. <i>Aids</i> , <b>2018</b> , 32, 2171-2178  | 3.5  | 25 |
| 702 | Tryptophan, kynurenine, and kynurenine metabolites: Relationship to lifetime aggression and inflammatory markers in human subjects. <i>Psychoneuroendocrinology</i> , <b>2016</b> , 71, 189-96   | 5    | 24 |
| 701 | Markers of Inflammation and Monoamine Metabolism Indicate Accelerated Aging in Bipolar Disorder. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 250   | 5    | 24 |
| 700 | The cerebrospinal fluid proteome in HIV infection: change associated with disease severity. <i>Clinical Proteomics</i> , <b>2012</b> , 9, 3  | 5    | 24 |
| 699 | Plasma concentrations of the cardiovascular risk factor asymmetric dimethylarginine (ADMA) are increased in patients with HIV-1 infection and correlate with immune activation markers. <i>Pharmacological Research</i> , <b>2009</b> , 60, 508-14 | 10.2 | 24 |



|     |   |      |    |
|-----|---|------|----|
| 698 | Association of increased neopterin production with decreased humoral immunity in the elderly. <i>Experimental Gerontology</i> , <b>2003</b> , 38, 583-7   | 4.5  | 24 |
| 697 | Neopterin: a prognostic variable in operations for lung cancer. <i>Annals of Thoracic Surgery</i> , <b>2000</b> , 70, 1861-4  | 4.7  | 24 |
| 696 | Weight loss in HIV-1 infection is associated with immune activation. <i>Aids</i> , <b>1993</b> , 7, 175-81  | 3.5  | 24 |
| 695 | Oxidative stress and apoptosis. <i>Trends in Immunology</i> , <b>1994</b> , 15, 496   |      | 24 |
| 694 | Fatigue in patients with lung cancer is related with accelerated tryptophan breakdown. <i>PLoS ONE</i> , <b>2012</b> , 7, e36956  | 3.7  | 24 |
| 693 | CTLA4-Ig immunosuppressive activity at the level of dendritic cell/T cell crosstalk. <i>International Immunopharmacology</i> , <b>2013</b> , 15, 638-45   | 5.8  | 23 |
| 692 | Stress system dynamics during "life as it is lived": an integrative single-case study on a healthy woman. <i>PLoS ONE</i> , <b>2012</b> , 7, e29415   | 3.7  | 23 |
| 691 | Fatal pancreatitis in simian immunodeficiency virus SIV(mac251)-infected macaques treated with 2',3'-dideoxyinosine and stavudine following cytotoxic-T-lymphocyte-associated antigen 4 and indoleamine 2,3-dioxygenase blockade. <i>Journal of Virology</i> , <b>2012</b> , 86, 108-13 | 6.6  | 23 |
| 690 | Interferon-alpha therapy in patients with hepatitis C virus infection increases plasma phenylalanine and the phenylalanine to tyrosine ratio. <i>Journal of Interferon and Cytokine Research</i> , <b>2012</b> , 32, 216-20   | 3.5  | 23 |
| 689 | Increased peripheral mononuclear cells expression of adhesion molecules in alcoholic cirrhosis: its relation to immune activation. <i>Journal of Hepatology</i> , <b>1997</b> , 27, 477-83  | 13.4 | 23 |
| 688 | Neopterin as a prognostic parameter in patients with squamous-cell carcinomas of the oral cavity. <i>International Journal of Cancer</i> , <b>1998</b> , 79, 476-80   | 7.5  | 23 |
| 687 | CD4+ T-cell loss and delayed expression of modulators of immune responses at mucosal sites of vaccinated macaques following SIV(mac251) infection. <i>Mucosal Immunology</i> , <b>2008</b> , 1, 497-507   | 9.2  | 23 |
| 686 | Cerebrospinal fluid HIV-1 RNA, intrathecal immunoactivation, and drug concentrations after treatment with a combination of saquinavir, nelfinavir, and two nucleoside analogues: the M61022 study. <i>BMC Infectious Diseases</i> , <b>2006</b> , 6, 63                                 | 4    | 23 |
| 685 | Increase of haemoglobin levels by anti-retroviral therapy is associated with a decrease in immune activation. <i>European Journal of Haematology</i> , <b>2003</b> , 70, 17-25  | 3.8  | 23 |
| 684 | Serum-soluble receptors for tumor necrosis factor-alpha and interleukin-2, and neopterin in acute rheumatic fever. <i>Clinical Immunology and Immunopathology</i> , <b>1995</b> , 74, 31-4  |      | 23 |
| 683 | Effects of neopterin-derivatives on H2O2-induced luminol chemiluminescence: mechanistic aspects. <i>Free Radical Biology and Medicine</i> , <b>1996</b> , 21, 449-56  | 7.8  | 23 |
| 682 | Attenuated SIV imparts immunity to challenge with pathogenic spleen-derived SIV but cannot prevent repair of the nef deletion. <i>Immunology Letters</i> , <b>1996</b> , 51, 129-35   | 4.1  | 23 |
| 681 | Serum soluble tumour necrosis factor receptor 55 is increased in patients with haematological neoplasias and is associated with immune activation and weight loss. <i>European Journal of Cancer</i> , <b>1993</b> , 29A, 2232-5  | 7.5  | 23 |

|     |   |     |    |
|-----|---|-----|----|
| 680 | The prognostic value of nuclear roundness and neopterin in ovarian cancer. <i>European Journal of Cancer</i> , <b>1993</b> , 29A, 1863-8  | 7.5 | 23 |
| 679 | Neopterin levels correlating with the Walter Reed staging classification in human immunodeficiency virus (HIV) infection. <i>Annals of Internal Medicine</i> , <b>1987</b> , 107, 784-5                         | 8   | 23 |
| 678 | High frequency of HTLV-III antibodies among heterosexual intravenous drug abusers in the Austrian Tyrol. <i>Lancet, The</i> , <b>1985</b> , 1, 1506   | 40  | 23 |
| 677 | Who will get AIDS?. <i>Lancet, The</i> , <b>1986</b> , 2, 1216-7  | 40  | 23 |
| 676 | Levels in neurotransmitter precursor amino acids correlate with mental health in patients with breast cancer. <i>Psychoneuroendocrinology</i> , <b>2015</b> , 60, 28-38   | 5   | 22 |
| 675 | Antiviral and Immunoregulatory Effects of Indoleamine-2,3-Dioxygenase in Hepatitis C Virus Infection. <i>Journal of Innate Immunity</i> , <b>2015</b> , 7, 530-44   | 6.9 | 22 |
| 674 | Total sleep time and kynurenine metabolism associated with mood symptom severity in bipolar disorder. <i>Bipolar Disorders</i> , <b>2018</b> , 20, 27-34  | 3.8 | 22 |
| 673 | Retinal pigment epithelial phagocytosis and metabolism differ from those of macrophages. <i>Ophthalmic Research</i> , <b>2004</b> , 36, 200-10  | 2.9 | 22 |
| 672 | Reduced pteridine derivatives induce apoptosis in PC12 cells. <i>Neurochemistry International</i> , <b>2002</b> , 41, 71-8  | 4.4 | 22 |
| 671 | Degradation of tryptophan in patients with systemic lupus erythematosus. <i>Advances in Experimental Medicine and Biology</i> , <b>1999</b> , 467, 571-7  | 3.6 | 22 |
| 670 | Is schizophrenia linked to alteration in cellular immunity?. <i>Schizophrenia Research</i> , <b>1989</b> , 2, 417-21  | 3.6 | 22 |
| 669 | Urinary neopterin excretion in pulmonary sarcoidosis: correlation to clinical course of the disease. <i>Clinica Chimica Acta</i> , <b>1988</b> , 177, 211-20  | 6.2 | 22 |
| 668 | A simple index relating clinical activity in Crohn's disease with T cell activation: hematocrit, frequency of liquid stools and urinary neopterin as parameters. <i>Immunobiology</i> , <b>1986</b> , 173, 1-11 | 3.4 | 22 |
| 667 | Reactivation of human immunodeficiency virus type 2 in macaques after simian immunodeficiency virus SIVmac superinfection. <i>Journal of Virology</i> , <b>1995</b> , 69, 1564-74                               | 6.6 | 22 |
| 666 | Neopterin in Clinical Use. <i>Pteridines</i> , <b>1989</b> , 1, 3-16  | 0.6 | 22 |
| 665 | Immunoregulatory impact of food antioxidants. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 840-9  | 3.3 | 22 |
| 664 | Immunological alterations in frail older adults: A cross sectional study. <i>Experimental Gerontology</i> , <b>2018</b> , 112, 119-126  | 4.5 | 22 |
| 663 | Dynamic regulation of phenylalanine hydroxylase by simulated redox manipulation. <i>PLoS ONE</i> , <b>2012</b> , 7, e53005  | 3.7 | 21 |

|     |  |      |    |
|-----|--|------|----|
| 662 | Increased tryptophan degradation in patients with bronchus carcinoma. <i>European Journal of Cancer Care</i> , <b>2010</b> , 19, 803-8   | 2.4  | 21 |
| 661 | Importance of the N-distal AP-2 binding element in Nef for simian immunodeficiency virus replication and pathogenicity in rhesus macaques. <i>Journal of Virology</i> , <b>2006</b> , 80, 4469-81  | 6.6  | 21 |
| 660 | HMG-CoA reductase inhibitors are associated with decreased serum neopterin levels in stable coronary artery disease. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2003</b> , 41, 1314-9  | 5.9  | 21 |
| 659 | Interferon-gamma modifies cytokine release in vitro by monocytes from surgical patients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 50, 321-7   | 9.4  | 21 |
| 658 | Tryptophan degradation to control T-cell responsiveness. <i>Trends in Immunology</i> , <b>2000</b> , 21, 250   |      | 21 |
| 657 | Urinary neopterin excretion in coeliac disease. <i>Lancet, The</i> , <b>1983</b> , 2, 463-4  | 4.0  | 21 |
| 656 | Role of physical activity and diet on mood, behavior, and cognition. <i>Neurology Psychiatry and Brain Research</i> , <b>2015</b> , 21, 118-126  | 2.1  | 20 |
| 655 | Decline of exhaled isoprene in lung cancer patients correlates with immune activation. <i>Journal of Breath Research</i> , <b>2012</b> , 6, 027101   | 3.1  | 20 |
| 654 | The Potential Role of Cannabinoids in Modulating Serotonergic Signaling by Their Influence on Tryptophan Metabolism. <i>Pharmaceuticals</i> , <b>2010</b> , 3, 2647-2660   | 5.2  | 20 |
| 653 | Bone mineral density, bone turnover markers and cytokines in alcohol-induced cirrhosis. <i>Alcohol and Alcoholism</i> , <b>2010</b> , 45, 427-30   | 3.5  | 20 |
| 652 | Diagnostic utility of CRP to neopterin ratio in patients with acute respiratory tract infections. <i>Journal of Infection</i> , <b>2009</b> , 58, 123-30   | 18.9 | 20 |
| 651 | Tryptophan degradation in multiple trauma patients: survivors compared with non-survivors. <i>Clinical Science</i> , <b>2009</b> , 116, 593-8  | 6.5  | 20 |
| 650 | Clinical relevance of indoleamine 2,3-dioxygenase for alloimmunity and transplantation. <i>Current Opinion in Organ Transplantation</i> , <b>2008</b> , 13, 10-5   | 2.5  | 20 |
| 649 | Tryptophan degradation during and after gestation. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 527, 77-83   | 3.6  | 20 |
| 648 | Increased concentrations of soluble tumor necrosis factor receptor 75 but not of soluble intercellular adhesion molecule-1 are associated with the decline of CD4+ lymphocytes in HIV infection. <i>Clinical Immunology and Immunopathology</i> , <b>1994</b> , 72, 328-34 |      | 20 |
| 647 | Neopterin: a predictive marker of acquired immune deficiency syndrome in human immunodeficiency virus infection. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1989</b> , 2, 291-6   |      | 20 |
| 646 | Kynurenine and Tryptophan Levels in Patients With Schizophrenia and Elevated Antigliadin Immunoglobulin G Antibodies. <i>Psychosomatic Medicine</i> , <b>2016</b> , 78, 931-939  | 3.7  | 20 |
| 645 | Fructose malabsorption is associated with early signs of mental depression. <i>European Journal of Medical Research</i> , <b>1998</b> , 3, 295-8   | 4.8  | 20 |

|     |  |      |    |
|-----|--|------|----|
| 644 | Cellular immune activation, neopterin production, tryptophan degradation and the development of immunodeficiency. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , <b>2000</b> , 48, 251-8   | 4    | 20 |
| 643 | Soluble CD14 in cerebrospinal fluid is associated with markers of inflammation and axonal damage in untreated HIV-infected patients: a retrospective cross-sectional study. <i>BMC Infectious Diseases</i> , <b>2016</b> , 16, 176               | 4    | 19 |
| 642 | Endocrine and immunological parameters in individuals involved in Prestige spill cleanup tasks seven years after the exposure. <i>Environment International</i> , <b>2013</b> , 59, 103-11   | 12.9 | 19 |
| 641 | Coffee extracts suppress tryptophan breakdown in mitogen-stimulated peripheral blood mononuclear cells. <i>Journal of the American College of Nutrition</i> , <b>2015</b> , 34, 212-23   | 3.5  | 19 |
| 640 | Bisphenol A suppresses Th1-type immune response in human peripheral blood mononuclear cells in vitro. <i>Immunology Letters</i> , <b>2015</b> , 168, 285-92  | 4.1  | 19 |
| 639 | Intact indoleamine 2,3-dioxygenase activity in human chronic granulomatous disease. <i>Clinical Immunology</i> , <b>2010</b> , 137, 1-4  | 9    | 19 |
| 638 | Serum neopterin for early assessment of severity of severe acute respiratory syndrome. <i>Clinical Immunology</i> , <b>2005</b> , 116, 18-26   | 9    | 19 |
| 637 | St. John's wort ( <i>Hypericum perforatum</i> ) counteracts cytokine-induced tryptophan catabolism in vitro. <i>Biological Chemistry</i> , <b>2004</b> , 385, 1197-202   | 4.5  | 19 |
| 636 | Neopterin-induced expression of intercellular adhesion molecule-1 (ICAM-1) in type II-like alveolar epithelial cells. <i>Clinical and Experimental Immunology</i> , <b>1999</b> , 118, 435-40  | 6.2  | 19 |
| 635 | Cerebrospinal fluid neopterin and beta 2-microglobulin levels in neurologically asymptomatic HIV-infected patients before and after initiation of zidovudine treatment. <i>Infection</i> , <b>1992</b> , 20, 313-5                               | 5.8  | 19 |
| 634 | Influence of interferon-gamma and extracellular tryptophan on indoleamine 2,3-dioxygenase activity in T24 cells as determined by a non-radiometric assay. <i>Biochemical Journal</i> , <b>1988</b> , 256, 537-41                                 | 3.8  | 19 |
| 633 | Are conditions linked with T-cell stimulation necessary for progressive HTLV-III infection?. <i>Lancet, The</i> , <b>1986</b> , 1, 97  | 40   | 19 |
| 632 | Neopterin, a marker of cell-mediated immune activation in human pregnancy. <i>International Journal of Fertility</i> , <b>1991</b> , 36, 372-5   |      | 19 |
| 631 | Does disturbed homocysteine and folate metabolism in depression result from enhanced oxidative stress?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2001</b> , 70, 419   | 5.5  | 19 |
| 630 | Extracellular matrix proteins matrix metalloproteinase 9 (MMP9) and soluble intercellular adhesion molecule 1 (sICAM-1) and correlations with clinical staging in euthymic bipolar disorder. <i>Bipolar Disorders</i> , <b>2016</b> , 18, 155-63 | 3.8  | 19 |
| 629 | The Immunopathogenesis of Alzheimer's Disease Is Related to the Composition of Gut Microbiota. <i>Nutrients</i> , <b>2021</b> , 13,  | 6.7  | 19 |
| 628 | Serum neopterin levels in relation to mild and severe COVID-19. <i>BMC Infectious Diseases</i> , <b>2020</b> , 20, 942   | 4    | 18 |
| 627 | Lignans from <i>Carthamus tinctorius</i> suppress tryptophan breakdown via indoleamine 2,3-dioxygenase. <i>Phytomedicine</i> , <b>2013</b> , 20, 1190-5  | 6.5  | 18 |

|     |  |      |    |
|-----|--|------|----|
| 626 | Evolving character of chronic central nervous system HIV infection. <i>Seminars in Neurology</i> , <b>2014</b> , 34, 7-13.   | 3.2  | 18 |
| 625 | Tryptophan metabolism in post-withdrawal alcohol-dependent patients. <i>Alcohol and Alcoholism</i> , <b>2014</b> , 49, 251-5   | 3.5  | 18 |
| 624 | Ambivalent effects of dendritic cells displaying prostaglandin E2-induced indoleamine 2,3-dioxygenase. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 1117-28   | 6.1  | 18 |
| 623 | Indoleamine 2,3-dioxygenase and foxp3 expression in skin rejection of human hand allografts. <i>Transplantation Proceedings</i> , <b>2009</b> , 41, 509-12   | 1.1  | 18 |
| 622 | Renal function after conditioning therapy for bone marrow transplantation in childhood. <i>Medical and Pediatric Oncology</i> , <b>1997</b> , 28, 274-83   |      | 18 |
| 621 | Neurological efficacy of stavudine, zidovudine, and lamivudine. <i>Lancet, The</i> , <b>1998</b> , 352, 402-3  | 4.0  | 18 |
| 620 | Multi-faceted effects of positive incidents on stress system functioning in a patient with systemic lupus erythematosus. <i>Stress and Health</i> , <b>2006</b> , 22, 215-227  | 3.7  | 18 |
| 619 | Induction of apoptosis in human blood T cells by 7,8-dihydroneopterin: the difference between healthy controls and patients with systemic lupus erythematosus. <i>Clinical Immunology</i> , <b>2003</b> , 107, 152-9 | 9    | 18 |
| 618 | Inverse relationship between neopterin and immunoglobulin E. <i>Clinical Immunology</i> , <b>2001</b> , 98, 104-8  | 9    | 18 |
| 617 | Neopterin levels during acute rubella in children. <i>Clinical Infectious Diseases</i> , <b>1993</b> , 17, 521-2   | 11.6 | 18 |
| 616 | Negative correlation between blood cell counts and serum neopterin concentration in patients with HIV-1 infection. <i>Aids</i> , <b>1991</b> , 5, 209-12   | 3.5  | 18 |
| 615 | Effect of pteridine derivatives on intracellular calcium concentration in human monocytic cells. <i>FEBS Letters</i> , <b>1993</b> , 318, 249-52   | 3.8  | 18 |
| 614 | Urinary neopterin excretion in patient with genital cancer. <i>Clinical Biochemistry</i> , <b>1982</b> , 15, 38-40   | 3.5  | 18 |
| 613 | Neopterin levels in long-term hemodialysis. <i>Clinical Nephrology</i> , <b>1988</b> , 30, 220-4   | 2.1  | 18 |
| 612 | Neopterin-induced Suppression of Erythropoietin Production In Vitro. <i>Pteridines</i> , <b>1995</b> , 6, 12-16  | 0.6  | 18 |
| 611 | Lavender oil suppresses indoleamine 2,3-dioxygenase activity in human PBMC. <i>BMC Complementary and Alternative Medicine</i> , <b>2014</b> , 14, 503  | 4.7  | 17 |
| 610 | Total homocysteine in patients with angiographic coronary artery disease correlates with inflammation markers. <i>Thrombosis and Haemostasis</i> , <b>2010</b> , 103, 926-35   | 7    | 17 |
| 609 | trans-Activation of the HIV type 1 promoter by 7,8-dihydroneopterin in vitro. <i>AIDS Research and Human Retroviruses</i> , <b>1997</b> , 13, 173-8  | 1.6  | 17 |

|     |   |      |    |
|-----|---|------|----|
| 608 | Correlation of ribonucleic acid polymerase chain reaction, acid dissociated p24 antigen, and neopterin with progression of disease. A retrospective, longitudinal study of vertically acquired human immunodeficiency virus type 1 infection in children. <i>Journal of Pediatrics</i> , <b>1997</b> , 130, 898-905 | 3.6  | 17 |
| 607 | Serum neopterin, beta2-microglobulin, soluble interleukin-2 receptors, and immunoglobulin levels in healthy adolescents. <i>Clinical Immunology and Immunopathology</i> , <b>1998</b> , 88, 176-82  |      | 17 |
| 606 | Homocysteine but not neopterin declines in demented patients on B vitamins. <i>Journal of Neural Transmission</i> , <b>2006</b> , 113, 1815-9   | 4.3  | 17 |
| 605 | Acute cytomegalovirus infections in blood donors are indicated by increased serum neopterin concentrations. <i>Medical Microbiology and Immunology</i> , <b>2002</b> , 191, 115-8   | 4    | 17 |
| 604 | Association between increased serum cholesterol and signs of depressive mood. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2003</b> , 41, 821-4   | 5.9  | 17 |
| 603 | Anti-inflammatory compound resveratrol suppresses homocysteine formation in stimulated human peripheral blood mononuclear cells in vitro. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2005</b> , 43, 1084-8  | 5.9  | 17 |
| 602 | Inflammation marker 7,8-dihydroneopterin induces apoptosis of neurons and glial cells: a potential contribution to neurodegenerative processes. <i>Immunobiology</i> , <b>2000</b> , 202, 460-76  | 3.4  | 17 |
| 601 | Neopterin plasma concentrations predict the course of severe acute pancreatitis. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>1998</b> , 36, 29-34  | 5.9  | 17 |
| 600 | An HPLC method to determine tryptophan and kynurenine in serum simultaneously. <i>Advances in Experimental Medicine and Biology</i> , <b>1999</b> , 467, 827-32   | 3.6  | 17 |
| 599 | Systemic immune activation as a potential determinant of wasting in Zambians with HIV-related diarrhoea. <i>QJM - Monthly Journal of the Association of Physicians</i> , <b>1996</b> , 89, 831-7  | 2.7  | 17 |
| 598 | In vivo activation of CD4+ cells in AIDS. <i>Science</i> , <b>1987</b> , 235, 356   | 33.3 | 17 |
| 597 | Theoretical implications of cellular immune reactions against helper lymphocytes infected by an immune system retrovirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1987</b> , 84, 7270-4   | 11.5 | 17 |
| 596 | Detection of bacterial pyrogens on the basis of their effects on gamma interferon-mediated formation of neopterin or nitrite in cultured monocyte cell lines. <i>Vaccine Journal</i> , <b>1995</b> , 2, 307-13  |      | 17 |
| 595 | Mood Stabilizers, Oxidative Stress and Antioxidative Defense in Euthymia of Bipolar Disorder. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2016</b> , 15, 381-9  | 2.6  | 17 |
| 594 | Serum tryptophan, kynurenine, and neopterin in patients with Guillain-Barre-syndrome (GBS) and multiple sclerosis (MS). <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 398, 183-7   | 3.6  | 17 |
| 593 | Crinum latifolium leave extracts suppress immune activation cascades in peripheral blood mononuclear cells and proliferation of prostate tumor cells. <i>Scientia Pharmaceutica</i> , <b>2011</b> , 79, 323-35  | 4.3  | 16 |
| 592 | Interaction of sertraline with <i>Candida</i> species selectively attenuates fungal virulence in vitro. <i>FEMS Immunology and Medical Microbiology</i> , <b>2003</b> , 35, 11-5  |      | 16 |
| 591 | Neopterin to Monitor Clinical Pathologies Involving Interferon- $\beta$ Production. <i>Pteridines</i> , <b>2004</b> , 15, 75-90   | 0.6  | 16 |



|     |   |     |    |
|-----|---|-----|----|
| 590 | Reduced pteridine derivatives induce apoptosis in human neuronal NT2/HNT cells. <i>Immunobiology</i> , <b>2000</b> , 201, 478-91  | 3.4 | 16 |
| 589 | Induction of apoptosis by 7,8-dihydroneopterin: involvement of radical formation. <i>Immunobiology</i> , <b>2001</b> , 203, 629-41  | 3.4 | 16 |
| 588 | Interleukin-13 effectively down-regulates the monocyte inflammatory potential during traumatic stress. <i>Archives of Surgery</i> , <b>1995</b> , 130, 1330-6   |     | 16 |
| 587 | HIV infection in renal allograft recipients. <i>Lancet, The</i> , <b>1986</b> , 2, 398  | 40  | 16 |
| 586 | Neopterin as a marker for activated cell-mediated immunity: application in malignant disease. <i>Cancer Detection and Prevention</i> , <b>1991</b> , 15, 483-90   |     | 16 |
| 585 | Neopterin: Indicator of Oxidative Stress and Part of the Cytotoxic Armature of Activated Macrophages in Humans. <i>Pteridines</i> , <b>1998</b> , 9, 91-102   | 0.6 | 16 |
| 584 | Prepartum Depressive Symptoms Correlate Positively with C-Reactive Protein Levels and Negatively with Tryptophan Levels: A Preliminary Report. <i>International Journal of Child Health and Human Development: IJCHD</i> , <b>2008</b> , 1, 167-174 |     | 16 |
| 583 | Role of neopterin and 7,8-dihydroneopterin in human immunodeficiency virus infection: marker for disease progression and pathogenic link. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1996</b> , 13, 184-93                         |     | 16 |
| 582 | Lowered Levels of Carbonyl Proteins after Vitamin B Supplementation in Patients with Mild Cognitive Impairment and Alzheimer's Disease. <i>Neurodegenerative Diseases</i> , <b>2016</b> , 16, 284-9   | 2.3 | 16 |
| 581 | Immune and Neuroendocrine Trait and State Markers in Psychotic Illness: Decreased Kynurenines Marking Psychotic Exacerbations. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2971  | 8.4 | 15 |
| 580 | Elevated levels of plasma phenylalanine in schizophrenia: a guanosine triphosphate cyclohydrolase-1 metabolic pathway abnormality?. <i>PLoS ONE</i> , <b>2014</b> , 9, e85945   | 3.7 | 15 |
| 579 | Immune activation and inflammation increase the plasma phenylalanine-to-tyrosine ratio. <i>Pteridines</i> , <b>2013</b> , 24, 27-31   | 0.6 | 15 |
| 578 | Interferon-gamma-mediated pathways are induced in human CD34(+) haematopoietic stem cells. <i>Immunobiology</i> , <b>2010</b> , 215, 452-7  | 3.4 | 15 |
| 577 | 7,8-Dihydroneopterin-induced apoptosis in Jurkat T lymphocytes: a comparison with anti-Fas- and hydrogen peroxide-mediated cell death. <i>Biochemical Pharmacology</i> , <b>1998</b> , 56, 1181-7   | 6   | 15 |
| 576 | Neopterin levels and pulmonary tuberculosis in infants. <i>Lung</i> , <b>1998</b> , 176, 337-44   | 2.9 | 15 |
| 575 | Influence of neopterin on the generation of reactive oxygen species in human neutrophils. <i>FEBS Letters</i> , <b>2003</b> , 549, 83-6   | 3.8 | 15 |
| 574 | Influence of neopterin on generation of reactive species by myeloperoxidase in human neutrophils. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2004</b> , 1672, 46-50   | 4   | 15 |
| 573 | Neopterin and 7,8-dihydroneopterin interfere with low density lipoprotein oxidation mediated by peroxynitrite and/or copper. <i>Free Radical Research</i> , <b>2002</b> , 36, 509-20  | 4   | 15 |



|     |   |      |    |
|-----|---|------|----|
| 572 | The acidic region and conserved putative protein kinase C phosphorylation site in Nef are important for SIV replication in rhesus macaques. <i>Virology</i> , <b>1999</b> , 257, 138-55   | 3.6  | 15 |
| 571 | Nitric oxide synthase and antimicrobial armature of human macrophages. <i>Journal of Infectious Diseases</i> , <b>1994</b> , 169, 224-5   | 7    | 15 |
| 570 | Retroviral infections (HIV-1, HIV-2, and HTLV-I) in rural northwestern Tanzania. Clinical findings, epidemiology, and association with infections common in Africa. <i>American Journal of Epidemiology</i> , <b>1989</b> , 130, 309-18   | 3.8  | 15 |
| 569 | Measurement of neopterin, kynurenine and tryptophan in sera of schizophrenic patients. <i>Key Topics in Brain Research</i> , <b>1999</b> , 115-119  |      | 15 |
| 568 | Low serum zinc levels in patients undergoing coronary angiography correlate with immune activation and inflammation. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2012</b> , 26, 26-30                                   | 4.1  | 14 |
| 567 | Day-to-day cause-effect relations between cellular immune activity, fatigue and mood in a patient with prior breast cancer and current cancer-related fatigue and depression. <i>Psychoneuroendocrinology</i> , <b>2013</b> , 38, 2366-72 | 5    | 14 |
| 566 | Regular consumption of black tea increases circulating kynurenine concentrations: A randomized controlled trial. <i>BBA Clinical</i> , <b>2015</b> , 3, 31-5  |      | 14 |
| 565 | Antimalarial drug chloroquine counteracts activation of indoleamine (2,3)-dioxygenase activity in human PBMC. <i>FEBS Open Bio</i> , <b>2012</b> , 2, 241-5   | 2.7  | 14 |
| 564 | Pathway-focused bioassays and transcriptome analysis contribute to a better activity monitoring of complex herbal remedies. <i>BMC Genomics</i> , <b>2013</b> , 14, 133   | 4.5  | 14 |
| 563 | Microbial translocation in simian immunodeficiency virus (SIV)-infected rhesus monkeys ( <i>Macaca mulatta</i> ). <i>Journal of Medical Primatology</i> , <b>2010</b> , 39, 243-51  | 0.7  | 14 |
| 562 | Elevated serum levels of neopterin in adult patients with polymyositis/dermatomyositis. <i>Rheumatology</i> , <b>1997</b> , 36, 656-60  | 3.9  | 14 |
| 561 | The activated immune system and the renin-angiotensin-aldosterone system in congestive heart failure. <i>Journal of Internal Medicine</i> , <b>1998</b> , 243, 93-8   | 10.8 | 14 |
| 560 | Inhibition of xanthine oxidase by pterins. <i>Free Radical Research</i> , <b>1998</b> , 29, 331-8   | 4    | 14 |
| 559 | Antifungal properties of 5-hydroxytryptamine (serotonin) against <i>Candida</i> species in vitro. <i>Journal of Medical Microbiology</i> , <b>2003</b> , 52, 169-171  | 3.2  | 14 |
| 558 | Wine and Grape Juice Modulate Interferon- $\gamma$ -induced Neopterin Production and Tryptophan Degradation in Human PBMC. <i>Pteridines</i> , <b>2004</b> , 15, 1-9  | 0.6  | 14 |
| 557 | Down-regulatory effect of N-chlorotaurine on tryptophan degradation and neopterin production in human PBMC. <i>Immunology Letters</i> , <b>2004</b> , 93, 143-9   | 4.1  | 14 |
| 556 | Aspirin downregulates homocysteine formation in stimulated human peripheral blood mononuclear cells. <i>Scandinavian Journal of Immunology</i> , <b>2005</b> , 62, 155-60   | 3.4  | 14 |
| 555 | Histamine suppresses neopterin production in the human myelomonocytoma cell line THP-1. <i>Immunology Letters</i> , <b>2000</b> , 72, 133-6   | 4.1  | 14 |

|     |  |      |    |
|-----|--|------|----|
| 554 | Exogenous neopterin causes cardiac contractile dysfunction in the isolated perfused rat heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2000</b> , 32, 1265-74   | 5.8  | 14 |
| 553 | Comparative effects of heme and metalloporphyrins on interferon-gamma-mediated pathways in monocytic cells (THP-1). <i>Experimental Biology and Medicine</i> , <b>1993</b> , 202, 470-5  | 3.7  | 14 |
| 552 | Early changes of neopterin concentrations during treatment of human immunodeficiency virus infection with zidovudine. <i>Journal of Infectious Diseases</i> , <b>1992</b> , 165, 783-4   | 7    | 14 |
| 551 | Neopterin screening and acute cytomegalovirus infections in blood donors. <i>The Clinical Investigator</i> , <b>1992</b> , 70, 63  |      | 14 |
| 550 | Increased CSF neopterin levels in subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , <b>1990</b> , 73, 69-71  | 3.2  | 14 |
| 549 | Neopterin--its clinical use in urinalysis. <i>Kidney International, Supplement</i> , <b>1994</b> , 47, S8-11   |      | 14 |
| 548 | Kynurenine and neopterin in the aqueous humor of the anterior chamber of the eye and in serum of cataract patients. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 527, 367-74   | 3.6  | 14 |
| 547 | Differential patterns of serum biomarkers of immune activation in human T-cell lymphotropic virus type I-associated myelopathy/tropical spastic paraparesis, and adult T-cell leukemia/lymphoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>1996</b> , 5, 699-704 | 4    | 14 |
| 546 | Role of 7,8-dihydroneopterin in T-cell apoptosis and HTLV-1 transcription in vitro. <i>Oncogene</i> , <b>1996</b> , 13, 2281-5   | 9.2  | 14 |
| 545 | Immune biomarkers in older adults: Role of physical activity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2017</b> , 80, 605-620   | 3.2  | 13 |
| 544 | Predictive and prognostic role of serum neopterin and tryptophan breakdown in prostate cancer. <i>Cancer Science</i> , <b>2017</b> , 108, 663-670  | 6.9  | 13 |
| 543 | Cerebrospinal fluid levels of glial marker YKL-40 strongly associated with axonal injury in HIV infection. <i>Journal of Neuroinflammation</i> , <b>2019</b> , 16, 16  | 10.1 | 13 |
| 542 | Species-specific host factors rather than virus-intrinsic virulence determine primate lentiviral pathogenicity. <i>Nature Communications</i> , <b>2018</b> , 9, 1371   | 17.4 | 13 |
| 541 | Cellular reactions to long-term volatile organic compound (VOC) exposures. <i>Scientific Reports</i> , <b>2016</b> , 6, 37842  | 4.9  | 13 |
| 540 | An update on the strategies in multicomponent activity monitoring within the phytopharmaceutical field. <i>BMC Complementary and Alternative Medicine</i> , <b>2012</b> , 12, 18   | 4.7  | 13 |
| 539 | Minocycline fails to modulate cerebrospinal fluid HIV infection or immune activation in chronic untreated HIV-1 infection: results of a pilot study. <i>AIDS Research and Therapy</i> , <b>2011</b> , 8, 17  | 3    | 13 |
| 538 | Increased asymmetric dimethylarginine concentrations in stimulated peripheral blood mononuclear cells. <i>Scandinavian Journal of Immunology</i> , <b>2007</b> , 65, 525-9   | 3.4  | 13 |
| 537 | Normalisation of cerebrospinal fluid biomarkers parallels improvement of neurological symptoms following HAART in HIV dementia--case report. <i>BMC Infectious Diseases</i> , <b>2006</b> , 6, 141   | 4    | 13 |

|     |   |     |    |
|-----|---|-----|----|
| 536 | Association of hyperhomocysteinemia in Alzheimer disease with elevated neopterin levels. <i>Alzheimer Disease and Associated Disorders</i> , <b>2004</b> , 18, 129-33   | 2.5 | 13 |
| 535 | Perioperative treatment with human recombinant interferon-gamma: a randomized double-blind clinical trial. <i>Shock</i> , <b>2001</b> , 16, 329-33  | 3.4 | 13 |
| 534 | Degradation of serum neopterin during daylight exposure. <i>Clinica Chimica Acta</i> , <b>2002</b> , 322, 175-8   | 6.2 | 13 |
| 533 | Central nervous system activation of the indoleamine-2,3-dioxygenase pathway in human T cell lymphotropic virus type I-associated myelopathy/tropical spastic paraparesis. <i>Journal of Infectious Diseases</i> , <b>2000</b> , 181, 2037-40   | 7   | 13 |
| 532 | Increased prevalence of IgM antibodies to Epstein-Barr virus and parvovirus B19 in blood donations with above-normal neopterin. <i>Clinical Chemistry</i> , <b>1994</b> , 40, 2104-2105   | 5.5 | 13 |
| 531 | Distinct distributions of D-erythro-neopterin in arteries and veins and its recovery by an enterohepatic circulation. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1992</b> , 373, 289-94  |     | 13 |
| 530 | Urinary excretion of porphyrins is increased in patients with HIV-1 infection. <i>Aids</i> , <b>1990</b> , 4, 341-4   | 3.5 | 13 |
| 529 | Are homosexuals less at risk of AIDS than intravenous drug abusers and haemophiliacs?. <i>Lancet, The</i> , <b>1985</b> , 2, 1130   | 4.0 | 13 |
| 528 | Urinary neopterin concentrations vs total neopterins for clinical utility. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 2305-7   | 5.5 | 13 |
| 527 | Associations Among Obesity, Inflammation, and Tryptophan Catabolism in Pregnancy. <i>Biological Research for Nursing</i> , <b>2018</b> , 20, 284-291  | 2.6 | 13 |
| 526 | High Cellular Monocyte Activation in People Living With Human Immunodeficiency Virus on Combination Antiretroviral Therapy and Lifestyle-Matched Controls Is Associated With Greater Inflammation in Cerebrospinal Fluid. <i>Open Forum Infectious Diseases</i> , <b>2017</b> , 4, ofx108 | 1   | 12 |
| 525 | A validated liquid chromatography-high resolution-tandem mass spectrometry method for the simultaneous quantitation of tryptophan, kynurenine, kynurenic acid, and quinolinic acid in human plasma. <i>Electrophoresis</i> , <b>2018</b> , 39, 1171-1180                                  | 3.6 | 12 |
| 524 | Commentary: Effect of Probiotic Supplementation on Cognitive Function and Metabolic Status in Alzheimer's Disease: A Randomized, Double-Blind and Controlled Trial. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 54   | 5.3 | 12 |
| 523 | The Role of Tryptophan-Kynurenine in Feather Pecking in Domestic Chicken Lines. <i>Frontiers in Veterinary Science</i> , <b>2019</b> , 6, 209   | 3.1 | 12 |
| 522 | Cerebrospinal fluid viral breakthrough in two HIV-infected subjects on darunavir/ritonavir monotherapy. <i>Scandinavian Journal of Infectious Diseases</i> , <b>2012</b> , 44, 997-1000   |     | 12 |
| 521 | Performance of a fully automated quantitative neopterin measurement assay in a routine voluntary blood donation setting. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2010</b> , 48, 373-7  | 5.9 | 12 |
| 520 | CD40 ligation restores type 1 polarizing capacity in TLR4-activated dendritic cells that have ceased interleukin-12 expression. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 1741-1750   | 5.6 | 12 |
| 519 | Effects of neopterin and 7,8-dihydroneopterin on hypoxia-induced renal erythropoietin production. <i>European Journal of Haematology</i> , <b>1999</b> , 62, 341-5  | 3.8 | 12 |

|     |  |      |    |
|-----|--|------|----|
| 518 | Tryptophan degradation and serum neopterin concentrations in intensive care unit patients. <i>Toxicology Mechanisms and Methods</i> , <b>2011</b> , 21, 231-5  | 3.6  | 12 |
| 517 | Asymmetric dimethylarginine concentrations decrease in patients with HIV infection under antiretroviral therapy. <i>Antiviral Therapy</i> , <b>2012</b> , 17, 1021-7   | 1.6  | 12 |
| 516 | Inverse association between serum selenium concentrations and parameters of immune activation in patients with cardiac disorders. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2007</b> , 45, 1224-8                       | 5.9  | 12 |
| 515 | PADMA 28 modulates interferon-gamma-induced tryptophan degradation and neopterin production in human PBMC in vitro. <i>International Immunopharmacology</i> , <b>2004</b> , 4, 833-9   | 5.8  | 12 |
| 514 | Apoptosis induced by the Tibetan herbal remedy PADMA 28 in the T cell-derived lymphocytic leukaemia cell line CEM-C7H2. <i>Journal of Carcinogenesis</i> , <b>2005</b> , 4, 15   | 1.9  | 12 |
| 513 | Soluble adhesion molecules in rheumatoid arthritis. <i>British Journal of Rheumatology</i> , <b>2000</b> , 39, 808-10  |      | 12 |
| 512 | Association between Chronic Hepatitis C Virus Infection and Increased Neopterin Concentrations in Blood Donations. <i>Clinical Chemistry</i> , <b>1998</b> , 44, 2225-2226   | 5.5  | 12 |
| 511 | Fructose Malabsorption Is Associated with Lower Plasma Folic Acid Concentrations in Middle-Aged Subjects. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 2013-2014  | 5.5  | 12 |
| 510 | Oxidative stress and apoptosis in HIV infection. <i>Science</i> , <b>1996</b> , 271, 582-3   | 33.3 | 12 |
| 509 | Increased levels of serum intercellular adhesion molecule 1 in HIV infection are related to immune activation. <i>International Archives of Allergy and Immunology</i> , <b>1993</b> , 102, 56-60                                    | 3.7  | 12 |
| 508 | Neopterin in clinical medicine. <i>Lancet, The</i> , <b>1988</b> , 1, 702  | 40   | 12 |
| 507 | Cerebrospinal Fluid Levels of Homocysteine and Neopterin In Patients with Dementia. <i>Pteridines</i> , <b>1999</b> , 10, 220-224  | 0.6  | 12 |
| 506 | Inflammatory, endocrine and metabolic correlates of fatigue in obese children. <i>Psychoneuroendocrinology</i> , <b>2016</b> , 74, 158-163   | 5    | 12 |
| 505 | Effective antiretroviral therapy reduces degradation of tryptophan in patients with HIV-1 infection. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 527, 317-23  | 3.6  | 12 |
| 504 | Induction of indoleamine 2,3-dioxygenase in human cells in vitro. <i>Advances in Experimental Medicine and Biology</i> , <b>1991</b> , 294, 505-9  | 3.6  | 12 |
| 503 | Diagnostic and Prognostic Value of Inflammatory Parameters Including Neopterin in the Setting of Pneumonia, COPD, and Acute Exacerbations. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2017</b> , 14, 298-303 | 2    | 11 |
| 502 | HIV-1 and HIV-2 differentially mature plasmacytoid dendritic cells into IFN-producing cells or APCs. <i>Journal of Immunology</i> , <b>2014</b> , 193, 3538-48   | 5.3  | 11 |
| 501 | Induction of indoleamine-2,3 dioxygenase in bone marrow stromal cells inhibits myeloma cell growth. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2012</b> , 138, 1821-30   | 4.9  | 11 |

|     |   |      |    |
|-----|---|------|----|
| 500 | Effects of adalimumab therapy on disease activity and interferon- $\beta$ -mediated biochemical pathways in patients with rheumatoid arthritis. <i>Autoimmunity</i> , <b>2011</b> , 44, 235-42    | 3    | 11 |
| 499 | Nitric oxide metabolites in allergic rhinitis: The effect of pollen allergen exposure. <i>Allergologia Et Immunopathologia</i> , <b>2011</b> , 39, 326-9  | 1.9  | 11 |
| 498 | Temporarily controlled HIV-1 replication after intravenous immunoglobulin treatment of Guillain-Barré syndrome. <i>Scandinavian Journal of Infectious Diseases</i> , <b>2005</b> , 37, 877-81     |      | 11 |
| 497 | Urinary neopterin concentrations in patients with Balkan endemic nephropathy (BEN). <i>Kidney International</i> , <b>2003</b> , 64, 1817-21   | 9.9  | 11 |
| 496 | Simian immunodeficiency virus in which nef and U3 sequences do not overlap replicates efficiently in vitro and in vivo in rhesus macaques. <i>Journal of Virology</i> , <b>2001</b> , 75, 8137-46 | 6.6  | 11 |
| 495 | Human parvovirus Bb19 detection in asymptomatic blood donors: association with increased neopterin concentrations. <i>Journal of Infectious Diseases</i> , <b>2002</b> , 186, 1494-7              | 7    | 11 |
| 494 | Homocysteine and B vitamins in dementia. <i>American Journal of Clinical Nutrition</i> , <b>2001</b> , 73, 127-8  | 7    | 11 |
| 493 | Intra-nasal infection of macaques with Yellow Fever (YF) vaccine strain 17D: a novel and economical approach for YF vaccination in man. <i>Vaccine</i> , <b>1999</b> , 17, 1206-10                | 4.1  | 11 |
| 492 | Tumor-associated antigen 90K activates myelomonocytic cell line THP-1. <i>Cancer Letters</i> , <b>1996</b> , 107, 143-8   | 9.9  | 11 |
| 491 | Immunization of rhesus monkeys with high- and low-dose Tween-ether-disrupted SIVMAC. <i>AIDS Research and Human Retroviruses</i> , <b>1992</b> , 8, 1397-400                                      | 1.6  | 11 |
| 490 | Association between serum neopterin concentrations and in vitro replicative capacity of HIV-1 isolates. <i>Journal of Infectious Diseases</i> , <b>1989</b> , 160, 724-5                          | 7    | 11 |
| 489 | On multiple forms of NO synthase and their occurrence in human cells. <i>Research in Immunology</i> , <b>1991</b> , 142, 555-61; discussion 589   |      | 11 |
| 488 | Immunosuppressants in patients with AIDS. <i>Nature</i> , <b>1986</b> , 320, 114  | 50.4 | 11 |
| 487 | Urinary neopterin: an early marker of HIV infection. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>1987</b> , 6, 698-9  | 5.3  | 11 |
| 486 | 25OH-Vitamin D3 Levels in Obesity and Metabolic Syndrome-Unaltered in Young and not Correlated to Carotid IMT in All Ages. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 2243-9        | 3.3  | 11 |
| 485 | Anemia of Chronic Disease in Patients With Cardiovascular Disease. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 666638  | 5.4  | 11 |
| 484 | Diatomaceous earth lowers blood cholesterol concentrations. <i>European Journal of Medical Research</i> , <b>1998</b> , 3, 211-5  | 4.8  | 11 |
| 483 | Sex Specific Changes in Tryptophan Breakdown Over a 6 Week Treatment Period. <i>Frontiers in Psychiatry</i> , <b>2019</b> , 10, 74  | 5    | 10 |

|     |   |      |    |
|-----|---|------|----|
| 482 | How acute and chronic physical disease may influence mental health - An Analysis of neurotransmitter precursor amino acid levels. <i>Psychoneuroendocrinology</i> , <b>2019</b> , 106, 95-101   | 5    | 10 |
| 481 | The role of tryptophan metabolism and food craving in the relationship between obesity and bipolar disorder. <i>Clinical Nutrition</i> , <b>2018</b> , 37, 1744-1751  | 5.9  | 10 |
| 480 | Resveratrol intake enhances indoleamine-2,3-dioxygenase activity in humans. <i>Pharmacological Reports</i> , <b>2016</b> , 68, 1065-8   | 3.9  | 10 |
| 479 | Immunomodulatory effects in vitro of vitamin K antagonist acenocoumarol. <i>Thrombosis Research</i> , <b>2013</b> , 131, e264-9   | 8.2  | 10 |
| 478 | Association between asymmetric dimethylarginine and neopterin in patients with and without angiographic coronary artery disease. <i>Scandinavian Journal of Immunology</i> , <b>2009</b> , 70, 63-7   | 3.4  | 10 |
| 477 | Prognostic significance of TPA versus SCC-Ag, CEA and neopterin in carcinoma of the uterine cervix. <i>Cancer Letters</i> , <b>2008</b> , 262, 183-9  | 9.9  | 10 |
| 476 | Hyperhomocysteinaemia and immune activation in patients with cancer. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2007</b> , 45, 47-53  | 5.9  | 10 |
| 475 | Atorvastatin suppresses homocysteine formation in stimulated human peripheral blood mononuclear cells. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2005</b> , 43, 1373-6   | 5.9  | 10 |
| 474 | An evaluation of low-cost progression markers in HIV-1 seropositive Zambians. <i>HIV Medicine</i> , <b>2000</b> , 1, 125-7  | 2.7  | 10 |
| 473 | Stability analysis of simple models for immune cells interacting with normal pathogens and immune system retroviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1989</b> , 86, 2026-30                               | 11.5 | 10 |
| 472 | ACTIVATED MACROPHAGES AND CANCER. <i>Lancet, The</i> , <b>1987</b> , 329, 1439-1440   | 4.0  | 10 |
| 471 | Quantitation of urinary uric acid by reversed-phase liquid chromatography.. <i>Clinical Chemistry</i> , <b>1981</b> , 27, 1455-1456   | 5.5  | 10 |
| 470 | Pharmacological Targets of Kaempferol Within Inflammatory Pathways-A Hint Towards the Central Role of Tryptophan Metabolism. <i>Antioxidants</i> , <b>2020</b> , 9,   | 7.1  | 9  |
| 469 | Evaluating predictive markers for viral rebound and safety assessment in blood and lumbar fluid during HIV-1 treatment interruption. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 1311-1320   | 5.1  | 9  |
| 468 | Immunobiochemical pathways of neopterin formation and tryptophan breakdown via indoleamine 2,3-dioxygenase correlate with circulating tumor cells in ovarian cancer patients- A study of the OVCAD consortium. <i>Gynecologic Oncology</i> , <b>2018</b> , 149, 371-380 | 4.9  | 9  |
| 467 | Diet Versus Exercise in Weight Loss and Maintenance: Focus on Tryptophan. <i>International Journal of Tryptophan Research</i> , <b>2016</b> , 9, 9-16   | 5.6  | 9  |
| 466 | Treatment of patients with geriatric depression with repetitive transcranial magnetic stimulation. <i>Journal of Neural Transmission</i> , <b>2019</b> , 126, 1105-1110   | 4.3  | 9  |
| 465 | Immunological alterations in individuals exposed to metal(loid)s in the Panasqueira mining area, Central Portugal. <i>Science of the Total Environment</i> , <b>2014</b> , 475, 1-7   | 10.2 | 9  |



|     |   |     |   |
|-----|---|-----|---|
| 464 | Interaction of Carthamus tinctorius lignan arctigenin with the binding site of tryptophan-degrading enzyme indoleamine 2,3-dioxygenase. <i>FEBS Open Bio</i> , <b>2013</b> , 3, 450-2   | 2.7 | 9 |
| 463 | Attenuation of immune-mediated influenza pneumonia by targeting the inducible co-stimulator (ICOS) molecule on T cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e100970  | 3.7 | 9 |
| 462 | Accelerated tryptophan degradation predicts poor survival in trauma and sepsis patients. <i>International Journal of Tryptophan Research</i> , <b>2010</b> , 3, 61-7  | 5.6 | 9 |
| 461 | Specific immunotherapy normalizes tryptophan concentrations in patients with allergic rhinitis. <i>International Archives of Allergy and Immunology</i> , <b>2012</b> , 159, 416-21   | 3.7 | 9 |
| 460 | Accelerated Tryptophan Degradation in Trauma and Sepsis Patients is Related to Pro-inflammatory Response and to the Diminished in vitro Response of Monocytes. <i>Pteridines</i> , <b>2009</b> , 20, 54-61                      | 0.6 | 9 |
| 459 | Neopterin Concentrations in Colon Dialysate. <i>Pteridines</i> , <b>2001</b> , 12, 155-160  | 0.6 | 9 |
| 458 | Decreased Serum Zinc in Fructose Malabsorbers. <i>Clinical Chemistry</i> , <b>2001</b> , 47, 745-747  | 5.5 | 9 |
| 457 | Streptococcal erythrogenic toxins induce neopterin formation in human peripheral blood mononuclear cells but not in the human myelomonocytoma cell line THP-1. <i>Immunobiology</i> , <b>1996</b> , 195, 314-22                 | 3.4 | 9 |
| 456 | Increased production of immune activation marker neopterin by colony-stimulating factors in gynecological cancer patients. <i>International Journal of Cancer</i> , <b>1994</b> , 58, 20-3                                      | 7.5 | 9 |
| 455 | 6-Pyruvoyl tetrahydropterin synthase assay in extracts of cultured human cells using high-performance liquid chromatography with fluorescence detection of biopterin. <i>Biomedical Applications</i> , <b>1991</b> , 570, 43-50 |     | 9 |
| 454 | Cellular immune activation in the brain and human immunodeficiency virus infection. <i>Annals of Neurology</i> , <b>1988</b> , 24, 289  | 9.4 | 9 |
| 453 | Beta 2-microglobulin and immune activation.. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 2158-2159  | 5.5 | 9 |
| 452 | Immune system modulation in patients with malignant and benign breast disorders: tryptophan degradation and serum neopterin. <i>International Journal of Biological Markers</i> , <b>2009</b> , 24, 265-70                      | 2.8 | 9 |
| 451 | EWS-FLI1 impairs aryl hydrocarbon receptor activation by blocking tryptophan breakdown via the kynurenine pathway. <i>FEBS Letters</i> , <b>2016</b> , 590, 2063-75   | 3.8 | 9 |
| 450 | Immunomodulatory Effects of Diterpene Quinone Derivatives from the Roots of in Human PBMC. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 2980295   | 6.7 | 9 |
| 449 | Knock-on effect of periodontitis to the pathogenesis of Alzheimer's disease?. <i>Wiener Klinische Wochenschrift</i> , <b>2020</b> , 132, 493-498  | 2.3 | 8 |
| 448 | IFN- $\gamma$ and tumor gangliosides: Implications for the tumor microenvironment. <i>Cellular Immunology</i> , <b>2018</b> , 325, 33-40  | 4.4 | 8 |
| 447 | No support for premature central nervous system aging in HIV-1 when measured by cerebrospinal fluid phosphorylated tau (p-tau). <i>Virulence</i> , <b>2017</b> , 8, 599-604   | 4.7 | 8 |



|     |  |      |   |
|-----|--|------|---|
| 446 | Immune activation and inflammation in patients with cardiovascular disease are associated with elevated phenylalanine-to-tyrosine ratios. <i>Pteridines</i> , <b>2013</b> , 24, 51-55                                | 0.6  | 8 |
| 445 | Serum neopterin is not increased in obese juveniles. <i>Journal of Obesity</i> , <b>2011</b> , 2011, 946795  | 3.7  | 8 |
| 444 | Immune System Modulation in Patients with Malignant and Benign Breast Disorders: Tryptophan Degradation and Serum Neopterin. <i>International Journal of Biological Markers</i> , <b>2009</b> , 24, 265-271          | 2.8  | 8 |
| 443 | Streptococcal erythrogenic toxins induce tryptophan degradation in human peripheral blood mononuclear cells. <i>International Archives of Allergy and Immunology</i> , <b>1997</b> , 114, 224-8                      | 3.7  | 8 |
| 442 | Statins to reduce risk of depression. <i>Journal of the American College of Cardiology</i> , <b>2004</b> , 43, 1132; author reply 1132-3   | 15.1 | 8 |
| 441 | Pathogenesis of anaemia in the critically ill patient. <i>Clinical Intensive Care: International Journal of Critical &amp; Coronary Care Medicine</i> , <b>1998</b> , 9, 111-117                                     |      | 8 |
| 440 | Increased interferon-gamma and neopterin concentrations in patients with acute brucellosis. <i>Journal of Infectious Diseases</i> , <b>1993</b> , 167, 504-5   | 7    | 8 |
| 439 | High stored iron levels and the risk of myocardial infarction. <i>Circulation</i> , <b>1993</b> , 87, 1425-6   | 16.7 | 8 |
| 438 | Correlation of body mass index with urinary neopterin in individuals infected with human immunodeficiency virus. <i>International Archives of Allergy and Immunology</i> , <b>1994</b> , 104, 150-4                  | 3.7  | 8 |
| 437 | Effect of zidovudine on cerebrospinal fluid in patients with HIV infection and acute neurological disease. <i>Scandinavian Journal of Infectious Diseases</i> , <b>1991</b> , 23, 681-5                              |      | 8 |
| 436 | Immune activation markers and CD4+ T-cell counts in HIV-infected intravenous drug users. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>1992</b> , 5, 1273-4                                     | 3.1  | 8 |
| 435 | Increased neopterin concentration in saliva of patients with HIV-1 infection. <i>Clinical Chemistry</i> , <b>1990</b> , 36, 1379-1380  | 5.5  | 8 |
| 434 | Neopterin as a marker in HIV infection.. <i>Clinical Chemistry</i> , <b>1988</b> , 34, 466-467   | 5.5  | 8 |
| 433 | Neopterin estimation compared with the ratio of T-cell subpopulations in persons infected with human immunodeficiency virus-1. <i>Clinical Chemistry</i> , <b>1988</b> , 34, 2415-7                                  | 5.5  | 8 |
| 432 | Serum neopterin concentrations in Wegener's granulomatosis correlate with vasculitis activity. <i>Clinical and Experimental Rheumatology</i> , <b>1995</b> , 13, 353-6   | 2.2  | 8 |
| 431 | Contradictory effects of chemical filters in UV/ROS-stressed human keratinocyte and fibroblast cells. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2019</b> , 36, 231-244                               | 4.3  | 8 |
| 430 | Urinary Neopterin as a Prognostic Factor in Haematological Neoplasias. <i>Pteridines</i> , <b>1989</b> , 1,  | 0.6  | 8 |
| 429 | Neopterin levels and Kyn/Trp ratios were significantly increased in dengue virus patients and subsequently decreased after recovery. <i>International Journal of Infectious Diseases</i> , <b>2020</b> , 91, 162-168 | 10.5 | 8 |

|     |   |      |   |
|-----|---|------|---|
| 428 | Long-term significance of urinary neopterin in ovarian cancer: a study by the Austrian Association for Gynecologic Oncology (AGO). <i>Annals of Oncology</i> , <b>2016</b> , 27, 1740-6                       | 10.3 | 8 |
| 427 | Immune Activation and HIV-Specific CD8(+) T Cells in Cerebrospinal Fluid of HIV Controllers and Noncontrollers. <i>AIDS Research and Human Retroviruses</i> , <b>2016</b> , 32, 791-800                       | 1.6  | 8 |
| 426 | A reduced concentration of brain interstitial amino acids is associated with depression in subarachnoid hemorrhage patients. <i>Scientific Reports</i> , <b>2019</b> , 9, 2811                                | 4.9  | 8 |
| 425 | Tryptophan metabolism and its relationship with central nervous system toxicity in people living with HIV switching from efavirenz to dolutegravir. <i>Journal of NeuroVirology</i> , <b>2019</b> , 25, 85-90 | 3.9  | 8 |
| 424 | Activated cellular immunity and decreased serum tryptophan in healthy pregnancy. <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 398, 149-53   | 3.6  | 8 |
| 423 | Tryptophan-kynurenine profile in pediatric autoimmune hepatitis. <i>Immunologic Research</i> , <b>2019</b> , 67, 39-47  | 4.3  | 7 |
| 422 | Moderation of the relationship between Toxoplasma gondii seropositivity and trait impulsivity in younger men by the phenylalanine-tyrosine ratio. <i>Psychiatry Research</i> , <b>2018</b> , 270, 992-1000    | 9.9  | 7 |
| 421 | Assessment of neopterin and indoleamine 2,3-dioxygenase activity in patients with seasonal influenza: A pilot study. <i>Influenza and Other Respiratory Viruses</i> , <b>2019</b> , 13, 603-609               | 5.6  | 7 |
| 420 | In psychiatrically healthy individuals, overweight women but not men have lower tryptophan levels. <i>Pteridines</i> , <b>2015</b> , 26, 79-84  | 0.6  | 7 |
| 419 | Immunomodulatory properties of cacao extracts - potential consequences for medical applications. <i>Frontiers in Pharmacology</i> , <b>2013</b> , 4, 154  | 5.6  | 7 |
| 418 | Investigation of bacterial and viral agents and immune status in Behcet's disease patients from Iran. <i>International Journal of Rheumatic Diseases</i> , <b>2011</b> , 14, 298-310                          | 2.3  | 7 |
| 417 | The use of ion exchangers in the analysis of salts of weak organic bases and weak organic acids. <i>Journal of Pharmacy and Pharmacology</i> , <b>1952</b> , 4, 566-72  | 4.8  | 7 |
| 416 | Serum neopterin levels in spontaneous urticaria and atopic dermatitis. <i>Clinical and Experimental Dermatology</i> , <b>2011</b> , 36, 85-7  | 1.8  | 7 |
| 415 | Blood donations and viruses. <i>Lancet, The</i> , <b>1997</b> , 349, 1327-8   | 4.0  | 7 |
| 414 | Neopterin derivatives to activate NF-kappa B. <i>Free Radical Biology and Medicine</i> , <b>1997</b> , 23, 177-9  | 7.8  | 7 |
| 413 | Colchicine derivatives inhibit neopterin production in human peripheral blood mononuclear cells (PBMC). <i>Clinical and Experimental Immunology</i> , <b>1997</b> , 107, 574-7                                | 6.2  | 7 |
| 412 | The immunobiology of zinc and the kidney. <i>Trends in Immunology</i> , <b>1998</b> , 19, 193-4   |      | 7 |
| 411 | Determination of silicon in urine by inductive coupled plasma-optical emission spectroscopy. <i>Clinica Chimica Acta</i> , <b>1998</b> , 277, 51-63   | 6.2  | 7 |

|     |   |      |   |
|-----|---|------|---|
| 410 | In vitro Effects of Nigella sativa Seeds Extracts on Stimulated Peripheral Blood Mononuclear Cells. <i>Pteridines</i> , <b>2008</b> , 19, 101-106   | 0.6  | 7 |
| 409 | Cytokine and IDO metabolite changes effected by calcium pterin during inhibition of MDA-MB-231 xenograph tumors in nude mice. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 355, 238-48 | 6.5  | 7 |
| 408 | Mechanism of neopterin-induced myocardial dysfunction in the isolated perfused rat heart. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2005</b> , 1724, 17-22                           | 4    | 7 |
| 407 | Homocysteine is an independent risk factor for myocardial infarction, in particular fatal myocardial infarction in middle-aged women. <i>Circulation</i> , <b>2004</b> , 110, e37-8; author reply e37-8 | 16.7 | 7 |
| 406 | Neopterin as a marker of immunostimulation: an investigation in anaesthetic workplaces. <i>Anaesthesia</i> , <b>2002</b> , 57, 747-50   | 6.6  | 7 |
| 405 | Anemia and congestive heart failure. <i>Circulation</i> , <b>2003</b> , 108, e41-2; author reply e41-2  | 16.7 | 7 |
| 404 | Monitoring of immune activation using biochemical changes in a porcine model of cardiac arrest. <i>Mediators of Inflammation</i> , <b>2001</b> , 10, 343-6  | 4.3  | 7 |
| 403 | Neopterin Concentrations in Cord Blood: A Single-Cohort Study of Paired Samples from 541 Pregnant Women and Their Newborns. <i>Clinical Chemistry</i> , <b>2002</b> , 48, 2059-2061                     | 5.5  | 7 |
| 402 | Neopterin derivatives modulate toxicity of reactive species on Escherichia coli. <i>Free Radical Research</i> , <b>1999</b> , 31, 381-8   | 4    | 7 |
| 401 | 7,8-Dihydroneopterin upregulates interferon-gamma promoter in T cells. <i>Immunobiology</i> , <b>1996</b> , 196, 350-5  | 3.4  | 7 |
| 400 | Neopterin production and tryptophan degradation in acute Lyme neuroborreliosis versus late Lyme encephalopathy. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>1994</b> , 32, 685-9             | 5.9  | 7 |
| 399 | Postmortem neopterin concentrations: comparison of diagnoses with and without cellular immunological background. <i>International Journal of Legal Medicine</i> , <b>1991</b> , 104, 259-62             | 3.1  | 7 |
| 398 | Neopterin and viral infections: diagnostic potential in virally induced liver disease. <i>Biomedicine and Pharmacotherapy</i> , <b>1989</b> , 43, 287-93  | 7.5  | 7 |
| 397 | Urinary neopterin excretion in patients with uterine sarcomas. <i>Cancer</i> , <b>1990</b> , 65, 1228-31  | 6.4  | 7 |
| 396 | Comparison of serum and urine neopterin concentrations in patients with HIV-1 infection. <i>Clinica Chimica Acta</i> , <b>1990</b> , 187, 125-30  | 6.2  | 7 |
| 395 | Low haemoglobin in haemophilia children is associated with chronic immune activation. <i>Acta Haematologica</i> , <b>1991</b> , 85, 62-5  | 2.7  | 7 |
| 394 | Circulating gamma-interferon in patients with aplastic anemia [letter; comment]. <i>Blood</i> , <b>1989</b> , 73, 858-859   | 2    | 7 |
| 393 | The value of urinary neopterin as an immunological parameter in patients with malignant tumors of the genitourinary tract. <i>Urologia Internationalis</i> , <b>1985</b> , 40, 155-9                    | 1.9  | 7 |

|     |   |     |   |
|-----|---|-----|---|
| 392 | Additional neopterin screening to improve safety of blood donations. <i>Pteridines</i> , <b>2000</b> , 11, 76-80  | 0.6 | 7 |
| 391 | Homocysteine, Vitamins and Immune Activation in Coronary Heart Disease. <i>Pteridines</i> , <b>2003</b> , 14, 82-87   | 0.6 | 7 |
| 390 | Psoriasis, gamma-interferon, and the acquired immunodeficiency syndrome. <i>Annals of Internal Medicine</i> , <b>1987</b> , 106, 165  | 8   | 7 |
| 389 | Cognitive and Neuronal Link With Inflammation: A Longitudinal Study in People With and Without HIV Infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2020</b> , 85, 617-625                                       | 3.1 | 7 |
| 388 | Neopterin is Associated with Disease Severity and Outcome in Patients with Non-Ischaemic Heart Failure. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,  | 5.1 | 7 |
| 387 | Potential for early antiretroviral therapy to reduce central nervous system HIV-1 persistence. <i>Aids</i> , <b>2019</b> , 33 Suppl 2, S135-S144  | 3.5 | 7 |
| 386 | Anisotropic grain-boundary effect on electronic transport in superconducting FeSe thin films. <i>Superconductor Science and Technology</i> , <b>2019</b> , 32, 025001   | 3.1 | 7 |
| 385 | High indoleamine-2,3-dioxygenase 1 (IDO) activity is linked to primary resistance to immunotherapy in non-small cell lung cancer (NSCLC). <i>Translational Lung Cancer Research</i> , <b>2021</b> , 10, 304-313                               | 4.4 | 7 |
| 384 | Increase of tryptophan in serum and in cerebrospinal fluid of patients with HIV infection during zidovudine therapy. <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 398, 131-4  | 3.6 | 7 |
| 383 | Stimulation of IRE-BP activity of IRF by tetrahydrobiopterin and cytokine dependent induction of nitric oxide synthase. <i>Advances in Experimental Medicine and Biology</i> , <b>1994</b> , 356, 133-9                                       | 3.6 | 7 |
| 382 | Serotonin in allergic rhinitis: a possible role for behavioural symptoms. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , <b>2011</b> , 10, 183-8  | 1.1 | 7 |
| 381 | Bioactivities of two common polyphenolic compounds: Verbascoside and catechin. <i>Pharmaceutical Biology</i> , <b>2016</b> , 54, 712-9  | 3.8 | 6 |
| 380 | Association of plasma nitrite levels with obesity and metabolic syndrome in the Old Order Amish. <i>Obesity Science and Practice</i> , <b>2018</b> , 4, 468-476   | 2.6 | 6 |
| 379 | Tryptophan, neopterin, and nitrite in allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2012</b> , 67, 1083   | 9.3 | 6 |
| 378 | Dynamic regulation of phenylalanine hydroxylase. <i>Pteridines</i> , <b>2014</b> , 25,  | 0.6 | 6 |
| 377 | Chronic Immune Stimulation May Cause Moderate Impairment of Phenylalanine 4-hydroxylase. <i>Pteridines</i> , <b>2011</b> , 22, 120-125  | 0.6 | 6 |
| 376 | Interferon-gamma-mediated pathways and in vitro PBMC proliferation in HIV-infected patients. <i>Biological Chemistry</i> , <b>2009</b> , 390, 115-23  | 4.5 | 6 |
| 375 | Temporal variability in immunological parameters: peripheral blood mononuclear cell subsets, serum immunoglobulins, and soluble markers of immune system activation. <i>Journal of Clinical Laboratory Analysis</i> , <b>1997</b> , 11, 190-5 | 3   | 6 |

|     |   |     |   |
|-----|---|-----|---|
| 374 | Method for urinary neopterin measurements by HPLC. <i>Journal of Proteomics</i> , <b>2006</b> , 66, 99-100  |     | 6 |
| 373 | In vitro testing for antiinflammatory properties of compounds. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 1201-2   | 5.5 | 6 |
| 372 | DHEA treatment of Alzheimer's disease: A randomized, double-blind, placebo-controlled trial. <i>Neurology</i> , <b>2004</b> , 62, 1030  | 6.5 | 6 |
| 371 | Increased Neopterin Concentration in Older Age Coincides with Decline of CD28+CD45RA+ T-cells. <i>Pteridines</i> , <b>2004</b> , 15, 170-174  | 0.6 | 6 |
| 370 | Homocysteine and serum markers of immune activation in primary dystonia. <i>Movement Disorders</i> , <b>2005</b> , 20, 1663-7   | 7   | 6 |
| 369 | Increased serum amylase and lipase in fructose malabsorbers. <i>Clinica Chimica Acta</i> , <b>2001</b> , 311, 119-23  | 6.2 | 6 |
| 368 | Pteridines and Lipid Metabolism. <i>Pteridines</i> , <b>1998</b> , 9, 103-112   | 0.6 | 6 |
| 367 | Predictive value of urinary neopterin in patients with lung cancer. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>1995</b> , 33, 831-7   | 5.9 | 6 |
| 366 | Urinary neopterin excretion in patients with squamous carcinoma of the oral cavity. <i>Cancer Letters</i> , <b>1995</b> , 95, 227-32  | 9.9 | 6 |
| 365 | Intrathecal immunoactivation in patients with HIV-1 infection is reduced by zidovudine but not by didanosine. <i>Scandinavian Journal of Infectious Diseases</i> , <b>1996</b> , 28, 329-33                     |     | 6 |
| 364 | Correlation of the percentage of activated, CD3 + DR + lymphocytes to serum neopterin level in HIV-seropositive haemophiliacs. <i>Klinische Wochenschrift</i> , <b>1991</b> , 69, 143-5                         |     | 6 |
| 363 | Mode of delivery in HIV-1-infected women. <i>Lancet, The</i> , <b>1992</b> , 339, 1603  | 40  | 6 |
| 362 | Individual probability for onset of full-blown disease in patients infected with human immunodeficiency virus type 1. <i>Clinical Chemistry</i> , <b>1991</b> , 37, 351-355                                     | 5.5 | 6 |
| 361 | Allogeneic activation is increased during pregnancy. A risk factor in HIV infection?. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>1987</b> , 94, 1000-1                            | 3.7 | 6 |
| 360 | Generalized likelihood ratio concept and logistic regression analysis for multiple diagnostic categories.. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 990-994  | 5.5 | 6 |
| 359 | Changes of serum neopterin, beta 2-microglobulin and interferon-gamma in patients with chronic hepatitis C treated with interferon-alpha 2b. <i>The European Journal of Medicine</i> , <b>1992</b> , 1, 196-200 |     | 6 |
| 358 | Serum Serotonin Levels are Associated with Antiviral Therapy Outcomes in Patients with Chronic Hepatitis C. <i>The Open Infectious Diseases Journal</i> , <b>2010</b> , 4, 132-141                              | 0.3 | 6 |
| 357 | Influence of Antioxidants on Leptin Metabolism and its Role in the Pathogenesis of Obesity. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 960, 399-413                                   | 3.6 | 6 |

|     |  |     |   |
|-----|--|-----|---|
| 356 | Reciprocal moderation by seropositivity and blood phenylalanine - tyrosine ratio of their associations with trait aggression. <i>Pteridines</i> , <b>2016</b> , 27, 77-85  | 0.6 | 6 |
| 355 | Weight Gain During Treatment of Bipolar Disorder (BD)-Facts and Therapeutic Options. <i>Frontiers in Nutrition</i> , <b>2019</b> , 6, 76   | 6.2 | 5 |
| 354 | Allergenic Can f 1 and its human homologue Lcn-1 direct dendritic cells to induce divergent immune responses. <i>Journal of Cellular and Molecular Medicine</i> , <b>2015</b> , 19, 2375-84  | 5.6 | 5 |
| 353 | Cerebrospinal fluid analysis for HIV replication and biomarkers of immune activation and neurodegeneration in long-term atazanavir/ritonavir monotherapy treated patients. <i>Medicine (United States)</i> , <b>2016</b> , 95, e4144   | 1.8 | 5 |
| 352 | Validation of a Novel Multivariate Method of Defining HIV-Associated Cognitive Impairment. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, ofz198   | 1   | 5 |
| 351 | Effects of globularifolin on cell survival, nuclear factor-B activity, neopterin production, tryptophan breakdown and free radicals in vitro. <i>Fluoterap</i> <b>2014</b> , 92, 85-92   | 3.2 | 5 |
| 350 | Cause-effect relations between 55 kD soluble TNF receptor concentrations and specific and unspecific symptoms in a patient with mild SLE disease activity: an exploratory time series analysis study. <i>BMC Research Notes</i> , <b>2015</b> , 8, 465                           | 2.3 | 5 |
| 349 | Effects of Antitumor Necrosis Factor Therapy on Osteoprotegerin, Neopterin, and sRANKL Concentrations in Patients with Rheumatoid Arthritis. <i>Disease Markers</i> , <b>2015</b> , 2015, 276969   | 3.2 | 5 |
| 348 | Analysis of humoral immune responses in rhesus macaques vaccinated with attenuated SIVmac239Deltanef and challenged with pathogenic SIVmac251. <i>Journal of Medical Primatology</i> , <b>2010</b> , 39, 97-111  | 0.7 | 5 |
| 347 | Gliadin IgG antibodies and circulating immune complexes. <i>Scandinavian Journal of Gastroenterology</i> , <b>2009</b> , 44, 168-71  | 2.4 | 5 |
| 346 | The relationship between alcohol intake and cellular immune activity in systemic lupus erythematosus may change from inhibitory to stimulatory within 2 months of study: findings from an integrative single-case study. <i>Clinical Rheumatology</i> , <b>2010</b> , 29, 229-30 | 3.9 | 5 |
| 345 | Suppression of viral replication in a long-term nonprogressing rhesus macaque experimentally infected with pathogenic simian immunodeficiency virus (SIV). <i>Clinical Immunology and Immunopathology</i> , <b>1998</b> , 87, 101-5  |     | 5 |
| 344 | Inhibitory cytokines in patients with anemia of chronic disorders. <i>Annals of the New York Academy of Sciences</i> , <b>1994</b> , 718, 344-6  | 6.5 | 5 |
| 343 | HIV progression and predictors of mortality in a community-based cohort of Zambian adults. <i>Journal of the International Association of Providers of AIDS Care</i> , <b>2008</b> , 7, 17-26  |     | 5 |
| 342 | Influence of Extreme Long Endurance Sports Activity on Neopterin Excretion. <i>Pteridines</i> , <b>2008</b> , 19, 114-118  |     | 5 |
| 341 | Non-peptidic delta-opioid receptor antagonists suppress mitogen-induced tryptophan degradation in peripheral blood mononuclear cells in vitro. <i>Immunology Letters</i> , <b>2008</b> , 118, 82-7   | 4.1 | 5 |
| 340 | Immune activation in autism. <i>Pediatric Neurology</i> , <b>2006</b> , 34, 333; author reply 333  | 2.9 | 5 |
| 339 | Muscle Trauma and Immune Activation after a Downhill Marathon (Tyrolean Speed Marathon). <i>Pteridines</i> , <b>2006</b> , 17, 121-128   | 0.6 | 5 |



|     |   |     |   |
|-----|---|-----|---|
| 338 | Urinary Neopterin Concentrations in Healthy Individuals with Household Contact. <i>Pteridines</i> , <b>2003</b> , 14, 34-38   | 0.6 | 5 |
| 337 | Cerebrospinal fluid viral load, virus isolation, and intrathecal immunoactivation in HIV type 2 infection. <i>AIDS Research and Human Retroviruses</i> , <b>2004</b> , 20, 711-5                    | 1.6 | 5 |
| 336 | 7,8-Dihydroneopterin induces apoptosis of Jurkat T-lymphocytes via a Bcl-2-sensitive pathway. <i>European Journal of Cell Biology</i> , <b>2002</b> , 81, 197-202                                   | 6.1 | 5 |
| 335 | Neopterin concentrations in blood donors differ between ABO blood group phenotypes. <i>Clinical Biochemistry</i> , <b>2005</b> , 38, 916-9  | 3.5 | 5 |
| 334 | Conformational investigation of the cofactor (6R,1'R,2'S)-5,6,7,8-tetrahydrobiopterin. <i>BBA - Proteins and Proteomics</i> , <b>1995</b> , 1249, 23-8  |     | 5 |
| 333 | Serum neopterin in acute rheumatic fever. <i>Clinical Chemistry</i> , <b>1993</b> , 39, 693-695   | 5.5 | 5 |
| 332 | Cellular immune activation and erythropoiesis in gynaecological cancer. <i>Lancet, The</i> , <b>1989</b> , 1, 908   | 40  | 5 |
| 331 | Course of Immune Activation Markers in Patients after Severe Multiple Trauma. <i>Pteridines</i> , <b>1990</b> , 2, 95-97.6  |     | 5 |
| 330 | Reduction of Ferric Iron by 7,8-Dihydroneopterin. <i>Pteridines</i> , <b>1990</b> , 2, 83-85  | 0.6 | 5 |
| 329 | Levels of CD4+ Lymphocytes, Neopterin, and ?2-Microglobulin Are Early Predictors of Acquired Immunodeficiency Syndrome. <i>Monographs in Virology</i> , <b>1990</b> , 18, 61-73                     |     | 5 |
| 328 | Production and characterization of a monoclonal antibody against neopterin. <i>Hybridoma</i> , <b>1990</b> , 9, 71-9  |     | 5 |
| 327 | Urinary neopterin in infants with primary immunodeficiency. <i>Immunobiology</i> , <b>1988</b> , 177, 1-6   | 3.4 | 5 |
| 326 | Urinary pteridines on patients suffering from cancer. A comment on the method and results of Rao and associates and of Trehan and associates. <i>Cancer</i> , <b>1984</b> , 53, 1634-6              | 6.4 | 5 |
| 325 | Identification of 3-hydroxyanthranilic acid in mixed lymphocyte cultures. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1985</b> , 366, 99-102  |     | 5 |
| 324 | Increased interferon-gamma and reduced hemoglobin in patients with human immunodeficiency virus type 1 infection. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1992</b> , 5, 424-5   |     | 5 |
| 323 | Anti-HIV-1 antibodies, anti-HTLV-I antibodies and neopterin levels in parenteral drug addicts in the Austrian Tyrol. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1988</b> , 1, 65-6 |     | 5 |
| 322 | Is neopterin--a marker of cell mediated immune response--helpful in classifying leprosy?. <i>East African Medical Journal</i> , <b>1986</b> , 63, 577-80  |     | 5 |
| 321 | Testing for immunomodulatory properties of nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , <b>2011</b> , 7, 11-2   | 4   | 5 |

|     |  |      |   |
|-----|--|------|---|
| 320 | Neopterin and Oxidation Products in the Blood of Patients with Various Forms of Dementia. <i>Pteridines</i> , <b>2003</b> , 14, 88-93  | 0.6  | 5 |
| 319 | Immunometabolism in the Pathogenesis of Depressive Disorders - Therapeutic Considerations. <i>Current Topics in Medicinal Chemistry</i> , <b>2018</b> , 18, 1408-1415  | 3    | 5 |
| 318 | Getting to the point: Methamphetamine injection is associated with biomarkers relevant to HIV pathogenesis. <i>Drug and Alcohol Dependence</i> , <b>2020</b> , 213, 108133   | 4.9  | 5 |
| 317 | Compartmentalization of cerebrospinal fluid inflammation across the spectrum of untreated HIV-1 infection, central nervous system injury and viral suppression. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250987   | 3.7  | 5 |
| 316 | No Changes in Human Immunodeficiency Virus (HIV) Suppression and Inflammatory Markers in Cerebrospinal Fluid in Patients Randomly Switched to Dolutegravir Plus Lamivudine (Spanish HIV/AIDS Research Network, PreEC/RIS 62). <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 1928-1933 | 7    | 5 |
| 315 | Prognostic value of tryptophan load test followed by serum kynurenine determination. Its comparison with pyridoxal-5-phosphate, kynurenine, homocysteine and neopterin amounts. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 527, 307-15                                   | 3.6  | 5 |
| 314 | Tryptophan and quality of life in colorectal cancer. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 527, 353-8   | 3.6  | 5 |
| 313 | Kynurenine and neopterin in chronic glomerulonephritis. <i>Advances in Experimental Medicine and Biology</i> , <b>1999</b> , 467, 579-86   | 3.6  | 5 |
| 312 | Serum-soluble interleukin-2 receptor, neopterin levels, and severity of dilated cardiomyopathy. <i>Circulation</i> , <b>1996</b> , 93, 1255-6  | 16.7 | 5 |
| 311 | Fructose malabsorption is associated with lower plasma folic acid concentrations in middle-aged subjects. <i>Clinical Chemistry</i> , <b>1999</b> , 45, 2013-4   | 5.5  | 5 |
| 310 | Heritability of plasma neopterin levels in the Old Order Amish. <i>Journal of Neuroimmunology</i> , <b>2017</b> , 307, 37-41   | 3.5  | 4 |
| 309 | IgG associations with sleep-wake problems, sleep duration and timing. <i>Pteridines</i> , <b>2019</b> , 30, 1-9  | 0.6  | 4 |
| 308 | Elevated kynurenine levels in diffuse cutaneous and anti-RNA polymerase III positive systemic sclerosis. <i>Clinical Immunology</i> , <b>2019</b> , 199, 18-24   | 9    | 4 |
| 307 | Immunological markers of frailty predict outcomes beyond current risk scores in aortic stenosis following transcatheter aortic valve replacement: Role of neopterin and tryptophan. <i>IJC Metabolic &amp; Endocrine</i> , <b>2016</b> , 10, 7-15  |      | 4 |
| 306 | Subjective Positive and Negative Sleep Variables Differentially Affect Cellular Immune Activity in a Breast Cancer Survivor: A Time-series Analysis Approach. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 693   | 4.1  | 4 |
| 305 | Sleep onset insomnia, daytime sleepiness and sleep duration in relationship to IgG seropositivity and serointensity. <i>Pteridines</i> , <b>2017</b> , 28, 195-204   | 0.6  | 4 |
| 304 | Tryptophan Breakdown in Patients with HCV Infection is Influenced by IL28B Polymorphism. <i>Pharmaceuticals</i> , <b>2015</b> , 8, 337-50  | 5.2  | 4 |
| 303 | Evaluation of Serum and Urinary Levels of some Pteridine Pathway Components in Healthy Turkish Children. <i>Pteridines</i> , <b>2012</b> , 23, 90-95   | 0.6  | 4 |

|     |   |      |   |
|-----|---|------|---|
| 302 | Polyneuropathy and dementia in old age: common inflammatory and vascular parameters. <i>Journal of Neural Transmission</i> , <b>2011</b> , 118, 721-5   | 4.3  | 4 |
| 301 | Psychiatric manifestations of latent toxoplasmosis. Potential mediation by indoleamine 2,3-dioxygenase. <i>International Journal on Disability and Human Development</i> , <b>2010</b> , 9, 3-10  |      | 4 |
| 300 | Effect of dipterinyl calcium pentahydrate on hepatitis B virus replication in transgenic mice. <i>Journal of Translational Medicine</i> , <b>2010</b> , 8, 32   | 8.5  | 4 |
| 299 | Parameters of soluble immune activation in vivo correlate negatively with the proliferative capacity of peripheral blood mononuclear cells in vitro in HIV-infected patients. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2009</b> , 50, 354-9 | 3.1  | 4 |
| 298 | Plasma cytokine concentration changes induced by the antitumor agents dipterinyl calcium pentahydrate (DCP) and related calcium pterins. <i>Immunobiology</i> , <b>2009</b> , 214, 135-41   | 3.4  | 4 |
| 297 | Increased cardiovascular risk in patients with human immunodeficiency virus infection under highly active antiretroviral therapy. <i>American Journal of Cardiology</i> , <b>2008</b> , 102, 373-4  | 3    | 4 |
| 296 | Association between plasma thiols and immune activation marker neopterin in stable coronary heart disease. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2008</b> , 46, 648-54   | 5.9  | 4 |
| 295 | Interferons, immunity and cancer immunoediting leading to impaired immune function in cancer patients. <i>Nature Reviews Immunology</i> , <b>2007</b> , 7, 1-2  | 36.5 | 4 |
| 294 | Possible placental exchange of neopterin as indicated by significant correlations in matched maternal neonatal blood samples at delivery. <i>Clinica Chimica Acta</i> , <b>2006</b> , 365, 350-1  | 6.2  | 4 |
| 293 | Relationship between homocysteine and neopterin concentrations in patients with gynecological cancer. <i>Cancer Letters</i> , <b>2006</b> , 240, 198-202  | 9.9  | 4 |
| 292 | Interferon-gamma for counteracting T-cell activation. <i>Trends in Immunology</i> , <b>2006</b> , 27, 398   | 14.4 | 4 |
| 291 | Association between neopterin in cord blood, urinary neopterin in early childhood and the development of atopic dermatitis, asthma and hay fever. <i>Pediatric Allergy and Immunology</i> , <b>2006</b> , 17, 11-6  | 4.2  | 4 |
| 290 | Immunologic Alterations in Schizophrenia: Neopterin, L-Kynurenine, Tryptophan and T-Cell Subsets in the Acute Stage of Illness. <i>Pteridines</i> , <b>2002</b> , 13,   | 0.6  | 4 |
| 289 | <i>Helicobacter pylori</i> infection and neopterin. <i>Pteridines</i> , <b>2001</b> , 12, 126-129   | 0.6  | 4 |
| 288 | Association between increased serum neopterin and homocysteine concentrations as well as pyridoxal-5-phosphate deficiency in patients with coronary heart disease. <i>Pteridines</i> , <b>2001</b> , 12, 130-134  | 0.6  | 4 |
| 287 | The role of psychological and biological factors in postinfective gut dysfunction. <i>Gut</i> , <b>2000</b> , 46, 140-1   | 19.2 | 4 |
| 286 | <i>Helicobacter pylori</i> and chronic immune activation. <i>American Heart Journal</i> , <b>2000</b> , 139, 925-6  | 4.9  | 4 |
| 285 | Influence of cytokines tumor necrosis factor-alpha and interferon-gamma on signaling cascades associated with apoptosis in rat PC12 cells. <i>Neuroscience Letters</i> , <b>2001</b> , 316, 157-60  | 3.3  | 4 |

|     |   |     |   |
|-----|---|-----|---|
| 284 | Prechallenge high neutralizing antibodies and long-lasting immune reactivity to gp41 correlate with protection of rhesus monkeys against productive simian immunodeficiency virus infection or disease development. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1998</b> , 19, 441-50 |     | 4 |
| 283 | Influence of Kynurenine, Neopterin, Noradrenaline and Pyridoxal-5-Phosphate on Cholesterol and Phospholipid Content and Phospholipid Biosynthesis in vitro. <i>Pteridines</i> , <b>1993</b> , 4, 126-130  | 0.6 | 4 |
| 282 | Applicability of an Enzyme-linked Immunosorbant Assay for Neopterin Detection for Screening of Blood Donations. <i>Pteridines</i> , <b>1994</b> , 5, 49-54  | 0.6 | 4 |
| 281 | Evaluation on HIV serology and immune-stimulation on patients in Tanzania. <i>International Journal of STD and AIDS</i> , <b>1991</b> , 2, 180-4  | 1.4 | 4 |
| 280 | Age dependency of the progression of HIV disease in haemophiliacs; predictive value of T cell subset and neopterin measurements. <i>Immunology Letters</i> , <b>1990</b> , 26, 67-73  | 4.1 | 4 |
| 279 | Immune activation and psoriasis. <i>Lancet, The</i> , <b>1991</b> , 338, 759  | 4.0 | 4 |
| 278 | Neopterin release in human mixed lymphocyte culture: requirement of HLA-DR disparity. <i>Immunology Letters</i> , <b>1985</b> , 11, 95-9  | 4.1 | 4 |
| 277 | Patterns of serological markers for cellular immune activation in patients with dilated cardiomyopathy and chronic myocarditis. <i>Clinical Chemistry</i> , <b>1992</b> , 38, 678-80  | 5.5 | 4 |
| 276 | Postmortem evaluation of serum and urine neopterin concentrations. <i>Journal of Forensic Sciences</i> , <b>1991</b> , 36, 1089-93  | 1.8 | 4 |
| 275 | Correlation of Serum Interferon Gamma and Neopterin Concentrations in Africans with Various Diseases. <i>Pteridines</i> , <b>1989</b> , 1, 119-124  | 0.6 | 4 |
| 274 | Procalcitonin and Neopterin in Infectious Diseases. <i>Pteridines</i> , <b>1999</b> , 10, 125-132   | 0.6 | 4 |
| 273 | Association Between Neopterin Production and other Parameters in a Population of Blood Donors. <i>Pteridines</i> , <b>2002</b> , 13, 133-139  | 0.6 | 4 |
| 272 | Postmortem Evaluation of Serum and Urine Neopterin Concentrations. <i>Journal of Forensic Sciences</i> , <b>1991</b> , 36, 13124J   | 1.8 | 4 |
| 271 | Physiology and Inflammation Driven Pathophysiology of Iron Homeostasis-Mechanistic Insights into Anemia of Inflammation and Its Treatment. <i>Nutrients</i> , <b>2021</b> , 13,   | 6.7 | 4 |
| 270 | Herpes zoster in HIV-1 infection: The role of CSF pleocytosis in secondary CSF escape and discordance. <i>PLoS ONE</i> , <b>2020</b> , 15, e0236162   | 3.7 | 4 |
| 269 | Tryptophan degradation is associated with risk-taking propensity in methamphetamine users with treated HIV infection. <i>Journal of NeuroVirology</i> , <b>2020</b> , 26, 779-784   | 3.9 | 4 |
| 268 | Association between Plasma Homocysteine Levels and Neuronal Injury in HIV Infection. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158973   | 3.7 | 4 |
| 267 | Cerebrospinal Fluid Concentrations of the Synaptic Marker Neurogranin in Neuro-HIV and Other Neurological Disorders. <i>Current HIV/AIDS Reports</i> , <b>2019</b> , 16, 76-81  | 5.9 | 4 |

|     |   |      |   |
|-----|---|------|---|
| 266 | Changes in the tryptophan-kynurenine axis in association to therapeutic response in clinically depressed patients undergoing psychiatric rehabilitation. <i>Psychoneuroendocrinology</i> , <b>2018</b> , 94, 25-30  | 5    | 4 |
| 265 | Fructose malabsorption is associated with decreased plasma tryptophan. <i>Advances in Experimental Medicine and Biology</i> , <b>1999</b> , 467, 73-8   | 3.6  | 4 |
| 264 | Relationships between pteridine synthesis and tryptophan degradation. <i>Advances in Experimental Medicine and Biology</i> , <b>1991</b> , 294, 177-84  | 3.6  | 4 |
| 263 | Peripheral zinc and neopterin concentrations are associated with mood severity in bipolar disorder in a gender-specific manner. <i>Psychiatry Research</i> , <b>2017</b> , 255, 52-58   | 9.9  | 3 |
| 262 | Switching from a regimen containing abacavir/lamivudine or emtricitabine/tenofovir disoproxil fumarate to emtricitabine/tenofovir alafenamide fumarate does not affect central nervous system HIV-1 infection. <i>Infectious Diseases</i> , <b>2019</b> , 51, 838-846 | 3.1  | 3 |
| 261 | Sodium Sulfite Exacerbates Allograft Vasculopathy and Affects Tryptophan Breakdown in Murine Heterotopic Aortic Transplantation. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 8461048   | 6.7  | 3 |
| 260 | A comment to "normalization of urinary pteridines by urine specific gravity for early cancer detection" [Clin. Chim. Acta 435 (2014) 42-47]. <i>Clinica Chimica Acta</i> , <b>2015</b> , 438, 418-9   | 6.2  | 3 |
| 259 | Worldview Under Stress: Preliminary Findings on Cardiovascular and Cortisol Stress Responses Predicted by Secularity, Religiosity, Spirituality, and Existential Search. <i>Journal of Religion and Health</i> , <b>2020</b> , 59, 2969-2989                          | 2.6  | 3 |
| 258 | Effekte einer proteinoptimierten Ernährung in Kombination mit moderatem Krafttraining auf den postoperativen Verlauf bei älteren Patienten mit Hüftfraktur. <i>Aktuelle Ernährungsmedizin Klinik Und Praxis</i> , <b>2017</b> , 42, 180-187                           | 0.3  | 3 |
| 257 | No augmentation of indoleamine 2,3-dioxygenase (IDO) activity through belatacept treatment in liver transplant recipients. <i>Clinical and Experimental Immunology</i> , <b>2018</b> , 192, 233-241   | 6.2  | 3 |
| 256 | F158. Toxoplasma Gondii-Oocyst Seropositivity and Depression in the Old Order Amish. <i>Biological Psychiatry</i> , <b>2018</b> , 83, S299-S300   | 7.9  | 3 |
| 255 | Can intake of extra antioxidants delay the development and progression of atherosclerosis?. <i>Atherosclerosis</i> , <b>2013</b> , 226, 43-4  | 3.1  | 3 |
| 254 | Medical significance of simultaneous application of red blood cell distribution width (RDW) and neopterin as diagnostic/prognostic biomarkers in clinical practice. <i>Pteridines</i> , <b>2017</b> , 28, 133-140   | 0.6  | 3 |
| 253 | Immune Responses in the Central Nervous System Are Anatomically Segregated in a Non-Human Primate Model of Human Immunodeficiency Virus Infection. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 361  | 8.4  | 3 |
| 252 | Carbon monoxide exposure may underlie the increased leukaemia risk in children living next to motor highways. <i>European Journal of Epidemiology</i> , <b>2015</b> , 30, 1329-30   | 12.1 | 3 |
| 251 | Role of Tryptophan Metabolism in Mood, Behavior, and Cognition <b>2015</b> , 75-89  |      | 3 |
| 250 | Antiviral activity of interferon- $\gamma$ involved in impaired immune function in infectious diseases. <i>Pteridines</i> , <b>2013</b> , 24, 149-164   | 0.6  | 3 |
| 249 | Alveolar neopterin, procalcitonin, and IL-6 in relation to serum levels and severity of lung injury in ARDS. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2013</b> , 51, e213-5   | 5.9  | 3 |

|     |  |     |   |
|-----|--|-----|---|
| 248 | Myelomonocytic THP-1 cells for in vitro testing of immunomodulatory properties of nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , <b>2011</b> , 7, 209-10   | 4   | 3 |
| 247 | Sublingual immunotherapy may affect serum neopterin: preliminary findings. <i>International Immunopharmacology</i> , <b>2010</b> , 10, 1474-6  | 5.8 | 3 |
| 246 | Comparison of a commercial urinary neopterin radioimmunoassay with high performance liquid chromatography. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2012</b> , 50, 1075-8  | 5.9 | 3 |
| 245 | Immunological and histochemical analyses of cerebrospinal fluid and peripheral blood from patients with neurological and psychiatric disorders. <i>Acta Neuropsychiatrica</i> , <b>2009</b> , 21 Suppl 2, 51-7                       | 3.9 | 3 |
| 244 | Urinary neopterin does not reflect the local antitumor immune milieu in ovarian cancer. <i>Cancer Immunology, Immunotherapy</i> , <b>2010</b> , 59, 1813-23  | 7.4 | 3 |
| 243 | Cerebrospinal fluid viral load and intrathecal immune activation in individuals infected with different HIV-1 genetic subtypes. <i>PLoS ONE</i> , <b>2008</b> , 3, e1971   | 3.7 | 3 |
| 242 | Plasma homocysteine and immune activation in patients with malignant melanoma undergoing treatment with IFN-alpha. <i>Journal of Interferon and Cytokine Research</i> , <b>2004</b> , 24, 311-7                                      | 3.5 | 3 |
| 241 | Is the poorer rate of survival among patients with human immunodeficiency virus infection and anemia linked to immune activation?. <i>Journal of Infectious Diseases</i> , <b>2002</b> , 186, 141-2; author reply 142-3 <sup>7</sup> |     | 3 |
| 240 | Predictive value of cytokines during acute severe pancreatitis. <i>Critical Care Medicine</i> , <b>2000</b> , 28, 2673-4   | 1.4 | 3 |
| 239 | Complete recovery of renal function in a Wilms' tumor patient after acute renal failure caused by autologous bone marrow transplantation (ABMT). <i>Pediatric Hematology and Oncology</i> , <b>1998</b> , 15, 255-60                 | 1.7 | 3 |
| 238 | Soluble Receptors for Tumor Necrosis Factor and Neopterin as Parameters of Cell-Mediated Immune Activation. <i>Hematology</i> , <b>1996</b> , 1, 141-54  | 2.2 | 3 |
| 237 | Increased serum neopterin concentrations in a patient with Creutzfeldt-Jakob disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>1996</b> , 61, 211-2   | 5.5 | 3 |
| 236 | Interleukin-10 for common variable immunodeficiency. <i>Lancet, The</i> , <b>1993</b> , 342, 1363  | 4.0 | 3 |
| 235 | Elevated Serum Neopterin Levels in Acute Rheumatic Fever. <i>Pteridines</i> , <b>1993</b> , 4, 39-42   | 0.6 | 3 |
| 234 | Stimulated cellular immune system in patients with congestive heart failure. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>1993</b> , 31, 111-4   | 5.9 | 3 |
| 233 | Monitoring of serum neopterin levels for diagnosis of acute rejection of renal allografts. <i>Nephron</i> , <b>1989</b> , 52, 100  | 3.3 | 3 |
| 232 | Immune-mediated mechanisms in multiple sclerosis. <i>Journal of Neurology</i> , <b>1990</b> , 237, 125   | 5.5 | 3 |
| 231 | Interactions between immune activation cascades and biosynthesis of neurotransmitters. <i>Trends in Immunology</i> , <b>1990</b> , 11, 348   |     | 3 |



|     |   |     |   |
|-----|---|-----|---|
| 230 | Immunosuppressants in treatment of patients with AIDS. <i>Lancet, The</i> , <b>1987</b> , 2, 214-5  | 4.0 | 3 |
| 229 | IMMUNITY IN SARCOIDOSIS. <i>Lancet, The</i> , <b>1987</b> , 330, 741-742  | 4.0 | 3 |
| 228 | Role of activated T lymphocytes in mycosis fungoides. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>1987</b> , 6, 210-1   | 5.3 | 3 |
| 227 | Inflammatory joint disease and HIV infection. <i>BMJ: British Medical Journal</i> , <b>1988</b> , 297, 422-3  |     | 3 |
| 226 | Neopterin levels in long-term renal allograft recipients. <i>Immunobiology</i> , <b>1985</b> , 169, 208-12  | 3.4 | 3 |
| 225 | Generalized likelihood ratio concept and logistic regression analysis for multiple diagnostic categories. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 990-4   | 5.5 | 3 |
| 224 | Neopterin as a marker in HIV infection. <i>Clinical Chemistry</i> , <b>1988</b> , 34, 466-7   | 5.5 | 3 |
| 223 | BREATH GAS ANALYSIS IN PATIENTS WITH CARBOHYDRATE-MALABSORPTION SYNDROME <b>2005</b> ,  |     | 3 |
| 222 | Oxidative damage and cytogenetic analysis in leukocytes of Parkinson's disease patients. <i>Neurology</i> , <b>2003</b> , 60, 729; author reply 729   | 6.5 | 3 |
| 221 | Urinary Neopterin as Marker for Disease Activity in Children and Adolescents with Crohn's Disease. <i>Pteridines</i> , <b>1990</b> , 2, 23-27   | 0.6 | 3 |
| 220 | Interferon Gamma-induced Formation of Neopterin and Degradation of Tryptophan in Cerebrospinal Fluid of Children with Meningitis but Not with Febrile Convulsions. <i>Pteridines</i> , <b>1994</b> , 5, 102-106   | 0.6 | 3 |
| 219 | Neopterin Acting as a Bone Marrow Stem Cell Factor on Early Common Haematopoietic (Myeloid) and Stromal (Dendritic, CD34+) Cell Progenitors in vitro. <i>Pteridines</i> , <b>2001</b> , 12, 135-139   | 0.6 | 3 |
| 218 | Long-term Supplementation with Vitamins does not Change Plasma Neopterin Concentrations in Demented Patients. <i>Pteridines</i> , <b>2006</b> , 17, 135-144   | 0.6 | 3 |
| 217 | Cerebrospinal fluid soluble CD30 elevation despite suppressive antiretroviral therapy in individuals living with HIV-1. <i>Journal of Virus Eradication</i> , <b>2020</b> , 6, 19-26  | 2.8 | 3 |
| 216 | Serum Concentration of the Phytohormone Abscisic Acid Is Associated With Immune-Regulatory Mediators and Is a Potential Biomarker of Disease Severity in Chronic Obstructive Pulmonary Disease. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 676058                    | 4.9 | 3 |
| 215 | Repetitive transcranial magnetic stimulation in the treatment of resistant depression: changes of specific neurotransmitter precursor amino acids. <i>Journal of Neural Transmission</i> , <b>2021</b> , 128, 1225-1231   | 4.3 | 3 |
| 214 | Blood Levels of Monoamine Precursors and Smoking in Patients with Schizophrenia. <i>Frontiers in Public Health</i> , <b>2016</b> , 4, 182   | 6   | 3 |
| 213 | Cerebrospinal Fluid and Plasma Lipopolysaccharide Levels in Human Immunodeficiency Virus Type 1 Infection and Associations With Inflammation, Blood-Brain Barrier Permeability, and Neuronal Injury. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 1612-1620 | 7   | 3 |

|     |  |      |   |
|-----|--|------|---|
| 212 | L. rhamnosus improves the immune response and tryptophan catabolism in laying hen pullets. <i>Scientific Reports</i> , <b>2021</b> , 11, 19538   | 4.9  | 3 |
| 211 | Viral Antigen and Inflammatory Biomarkers in Cerebrospinal Fluid in Patients With COVID-19 Infection and Neurologic Symptoms Compared With Control Participants Without Infection or Neurologic Symptoms. <i>JAMA Network Open</i> , <b>2022</b> , 5, e2213253 | 10.4 | 3 |
| 210 | Acute and Chronic Mental Stress Both Influence Levels of Neurotransmitter Precursor Amino Acids and Derived Biogenic Amines. <i>Brain Sciences</i> , <b>2020</b> , 10,   | 3.4  | 2 |
| 209 | Repetitive transcranial magnetic stimulation in patients with late life depression influences phenylalanine metabolism. <i>Pteridines</i> , <b>2018</b> , 29, 87-90  | 0.6  | 2 |
| 208 | Commentary: Does Severity of Alzheimer's Disease Contribute to Its Responsiveness to Modifying Gut Microbiota? A Double Blind Clinical Trial. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 667  | 4.1  | 2 |
| 207 | AB0217 Biomarkers of Inflammation in Juvenile Idiopathic Arthritis (JIA). <i>Annals of the Rheumatic Diseases</i> , <b>2014</b> , 73, 875.2-875  | 2.4  | 2 |
| 206 | Homocysteine Biochemistry and Cognitive Decline in the Elderly. <i>Journal of the American Medical Directors Association</i> , <b>2017</b> , 18, 893-894   | 5.9  | 2 |
| 205 | 302. Sleep Onset Insomnia, Daytime Sleepiness and Sleep Duration in Relationship to Toxoplasma gondii IgG Seropositivity and Serointensity. <i>Biological Psychiatry</i> , <b>2017</b> , 81, S124  | 7.9  | 2 |
| 204 | Seasonality of blood neopterin levels in the Old Order Amish. <i>Pteridines</i> , <b>2017</b> , 28, 163-176  | 0.6  | 2 |
| 203 | Bright versus dim ambient light affects subjective well-being but not serotonin-related biological factors. <i>Psychiatry Research</i> , <b>2015</b> , 229, 1011-6   | 9.9  | 2 |
| 202 | Indoleamine 2,3-dioxygenase in human hematopoietic stem cell transplantation. <i>International Journal of Tryptophan Research</i> , <b>2010</b> , 3, 77-90   | 5.6  | 2 |
| 201 | Temporal Association Between Daily Alcohol Consumption, Emotional States and Urinary Neopterin Levels in a Patient with Systemic Lupus Erythematosus. <i>Pteridines</i> , <b>2009</b> , 20, 62-71  | 0.6  | 2 |
| 200 | Mood and fatigue in everyday life are temporally related to cellular immune activity. Preliminary evidence from an extensive observation of a patient with prior breast cancer. <i>Psychopathology</i> , <b>2009</b> , 42, 67-8                                | 3.4  | 2 |
| 199 | Impaired Th1-like Immune Response in Schistosoma mansoni Infection. <i>Journal of Infectious Diseases</i> , <b>1996</b> , 174, 677-678   | 7    | 2 |
| 198 | The Influence of Kynurenine and Its Metabolites on Lipid Metabolism. <i>Pteridines</i> , <b>1997</b> , 8, 201-205  | 0.6  | 2 |
| 197 | Preliminary Evidence on the Direction of Effects Between Day-to-Day Changes in Cellular Immune Activation, Fatigue and Mood in a Patient with Prior Breast Cancer: A Time-Series Analysis Approach. <i>Pteridines</i> , <b>2007</b> , 18, 139-147              | 0.6  | 2 |
| 196 | Influence of neopterin and 7,8-dihydroneopterin on the replication of Coxsackie type B5 and influenza A viruses. <i>Medical Microbiology and Immunology</i> , <b>2007</b> , 196, 23-9  | 4    | 2 |
| 195 | Calcium-pterin suppresses mitogen-induced tryptophan degradation and neopterin production in peripheral blood mononuclear cells. <i>Immunobiology</i> , <b>2006</b> , 211, 779-84  | 3.4  | 2 |

|     |  |      |   |
|-----|--|------|---|
| 194 | Immune activation to underlie moderate hyperhomocysteinemia in stroke and dementia?. <i>Stroke</i> , <b>2003</b> , 34, 833-44; author reply 833-44   | 6.7  | 2 |
| 193 | Moderate Hyperhomocysteinemia in Patients with Huntington's Disease. <i>Pteridines</i> , <b>2002</b> , 13, 121-125   | 0.6  | 2 |
| 192 | Tissue transglutaminase antibody determination in celiac disease. Analysis of diagnostic specificity of anti-human IgA-type assays. <i>Journal of Immunoassay and Immunochemistry</i> , <b>2002</b> , 23, 211-27 | 1.8  | 2 |
| 191 | Urinary Neopterin Indicates Early Infection and Disease Progression: Model Studies with Simian and Human Immunodeficiency Viruses in Macaques. <i>Pteridines</i> , <b>2002</b> , 13, 1-8                         | 0.6  | 2 |
| 190 | Neopterin production in SCID mice injected with human peripheral blood mononuclear cells. <i>Immunobiology</i> , <b>2001</b> , 203, 642-9  | 3.4  | 2 |
| 189 | Blunted erythropoietic response to anemia in multiply traumatized patients*. <i>Critical Care Medicine</i> , <b>2001</b> , 29, S157-S161   | 1.4  | 2 |
| 188 | Soluble tumour necrosis factor receptors as prognostic factors in cancer. <i>Lancet, The</i> , <b>1994</b> , 344, 681-2  | 40   | 2 |
| 187 | Change in HIV-antibody seroprevalence rates in i.v. drug dependent prisoners. <i>Addiction</i> , <b>1991</b> , 86, 225-32  | 4.6  | 2 |
| 186 | Prognostic value of serum beta 2-microglobulin in HIV infection. <i>Lancet, The</i> , <b>1992</b> , 340, 370-1   | 40   | 2 |
| 185 | Critical study of consensus analysis. <i>Lancet, The</i> , <b>1992</b> , 339, 1394-7   | 40   | 2 |
| 184 | Association between serum-soluble CD8 levels and parameters of immune activation in patients with human immunodeficiency virus infection. <i>The Clinical Investigator</i> , <b>1992</b> , 70, 662-4             |      | 2 |
| 183 | Pregnancy Increases Urinary Neopterin Levels in Human Immunodeficiency Virus Type 1 Infection. <i>Pteridines</i> , <b>1990</b> , 2, 161-164  | 0.6  | 2 |
| 182 | Unconjugated pteridines and the activation of macrophages by interferon gamma. <i>Cancer Chemotherapy and Pharmacology</i> , <b>1990</b> , 25, 308-9   | 3.5  | 2 |
| 181 | Interaction of complement with HIV-1 and <i>Candida albicans</i> : molecular mechanisms and biological implications. <i>Molecular Immunology</i> , <b>1990</b> , 27, 1349-53                                     | 4.3  | 2 |
| 180 | HIV Seroconversion in Health Care Workers. <i>JAMA - Journal of the American Medical Association</i> , <b>1987</b> , 258, 2525   | 27.4 | 2 |
| 179 | Neopterin excretion does not correlate with erythrocyte sedimentation rate. <i>Klinische Wochenschrift</i> , <b>1987</b> , 65, 1173  |      | 2 |
| 178 | Measurement of urinary 7,8-dihydro-6-hydroxylumazine in healthy and in Ehrlich ascites tumour-bearing mice. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1984</b> , 365, 895-900             |      | 2 |
| 177 | AIDS in haemophiliacs, parenteral drug abusers, and homosexuals. <i>Lancet, The</i> , <b>1986</b> , 1, 324   | 40   | 2 |

|     |  |     |   |
|-----|--|-----|---|
| 176 | Neopterinausscheidung im Harn bei Patientinnen mit gynkologischen Tumoren. <i>Gynakologisch-geburtshilfliche Rundschau</i> , <b>1981</b> , 21, 218-220   |     | 2 |
| 175 | Beta 2-microglobulin and immune activation. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 2158-9   | 5.5 | 2 |
| 174 | Quantitation of urinary uric acid by reversed-phase liquid chromatography. <i>Clinical Chemistry</i> , <b>1981</b> , 27, 1455-6  | 5.5 | 2 |
| 173 | Immune activation and enhanced urinary zinc concentrations in allograft recipients. <i>Presse Medicale</i> , <b>1994</b> , 23, 702-6   | 2.2 | 2 |
| 172 | 39th International Winter-Workshop Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics Innsbruck, February 25th - 28th, 2020. <i>Pteridines</i> , <b>2020</b> , 31, 109-135            | 0.6 | 2 |
| 171 | Changes of Neopterin and Tryptophan in Serum and Cerebrospinal Fluid of Patients in Different Stages of HIV -1 Infection. <i>Pteridines</i> , <b>1990</b> , 2, 91-93   | 0.6 | 2 |
| 170 | Immune Activation after Apicoectomy: Comparison between Patients with and without Prophylactic Antibiotic Therapy. <i>Pteridines</i> , <b>1993</b> , 4, 192-194  | 0.6 | 2 |
| 169 | Are Disturbances of Zinc Metabolism in Human Immunodeficiency Virus Type I (HIV-I) Infection Caused By Immune Activation?. <i>Pteridines</i> , <b>1993</b> , 4, 195-199  | 0.6 | 2 |
| 168 | Characterization of Pteridines: a New Approach by Fluorescence Correlation Spectroscopy and Analysis of Assay Sensitivity. <i>Pteridines</i> , <b>2001</b> , 12, 147-153                                       | 0.6 | 2 |
| 167 | Tryptophan Metabolism in Bipolar Disorder in a Longitudinal Setting. <i>Antioxidants</i> , <b>2021</b> , 10,   | 7.1 | 2 |
| 166 | On the Possible Relevance of Bottom-up Pathways in the Pathogenesis of Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , <b>2020</b> , 20, 1415-1421   | 3   | 2 |
| 165 | Progress in Antiinfective Perioperative Immunomodulatory Therapy with Simultaneous Administration of Blocking and Enhancing Agents <b>1993</b> , 1109-1129   |     | 2 |
| 164 | Immune Activation and Anemia Are Associated with Decreased Quality of Life in Patients with Solid Tumors. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,   | 5.1 | 2 |
| 163 | Blue Monday: Co-occurring Stimulant Use and HIV Persistence Predict Dysregulated Catecholamine Synthesis. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2021</b> , 86, 353-360            | 3.1 | 2 |
| 162 | Plasma Anthranilic Acid and Leptin Levels Predict HAM-D Scores in Depressed Women. <i>International Journal of Tryptophan Research</i> , <b>2021</b> , 14, 11786469211016474                                   | 5.6 | 2 |
| 161 | Ingestion of <i>Lactobacillus rhamnosus</i> modulates chronic stress-induced feather pecking in chickens. <i>Scientific Reports</i> , <b>2021</b> , 11, 17119  | 4.9 | 2 |
| 160 | Dynamic Effects of CAM Techniques on Inflammation and Emotional States: An Integrative Single-Case Study on a Breast Cancer Survivor. <i>Integrative Cancer Therapies</i> , <b>2021</b> , 20, 1534735420977697 |     | 2 |
| 159 | Quality of Life and Tryptophan Degradation <b>2010</b> , 2027-2045   |     | 2 |

|     |  |      |   |
|-----|--|------|---|
| 158 | Tryptophan metabolic pathway and neopterin in asthmatic children in clinical practice. <i>Italian Journal of Pediatrics</i> , <b>2019</b> , 45, 114  | 3.2  | 1 |
| 157 | Vitamin D and tryptophan concentrations in patients with Alzheimer's disease. <i>International Journal of Geriatric Psychiatry</i> , <b>2013</b> , 28, 216-7   | 3.9  | 1 |
| 156 | Evaluation of tetrahydrobiopterin pathway in operating room workers: changes in biopterin status and tryptophan metabolism. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2012</b> , 89, 1125-8 | 2.7  | 1 |
| 155 | Antioxidant supplements for long-term health and to prevent disease. <i>Maturitas</i> , <b>2010</b> , 67, 375; author reply 375-6  | 5    | 1 |
| 154 | Urine neopterin concentrations as a marker for successful blastocyst implantation after assisted reproductive technologies. <i>Reproductive BioMedicine Online</i> , <b>2010</b> , 20, 694-8                         | 4    | 1 |
| 153 | Decreased haemoglobin and chronic immune activation in patients with gynaecologic malignancies. <i>European Journal of Haematology</i> , <b>1990</b> , 45, 280-2   | 3.8  | 1 |
| 152 | Association between haemoglobin and neopterin concentrations in haemodialysis patients treated with erythropoietin. <i>European Journal of Haematology</i> , <b>1993</b> , 51, 175-6                                 | 3.8  | 1 |
| 151 | Serum phenylalanine concentrations in patients post trauma and burn correlate to neopterin concentrations. <i>Journal of Inherited Metabolic Disease</i> , <b>2009</b> , 32, 587-8; author reply 588                 | 5.4  | 1 |
| 150 | Reply to Seligman. <i>Journal of Infectious Diseases</i> , <b>2011</b> , 204, 174-175  | 7    | 1 |
| 149 | Altered immune responses during septicaemia in patients suffering from haematological malignancies. <i>International Journal of Immunopathology and Pharmacology</i> , <b>2012</b> , 25, 147-56                      | 3    | 1 |
| 148 | Pteridine Pathway in Patients with Degenerative Diseases During Short Time Treatment with Low Dose of Meloxicam, as a Non-steroidal Anti-inflammatory Drug. <i>Pteridines</i> , <b>2008</b> , 19, 107-113            | 0.6  | 1 |
| 147 | Serial Analysis of Tryptophan Degradation and Neopterin Formation in an otherwise Healthy Individual before and during an Infectious Episode. <i>Pteridines</i> , <b>2006</b> , 17, 25-30                            | 0.6  | 1 |
| 146 | Re: Plasma folate, vitamin B6, vitamin B12, homocysteine, and risk of breast cancer. <i>Journal of the National Cancer Institute</i> , <b>2003</b> , 95, 1091; author reply 1091                                     | 9.7  | 1 |
| 145 | Interferon-Induzierter Tryptophanabbau: Bedeutung für Immunologie und Psychiatrie. <i>Aktuelle Ernährungsmedizin Klinik Und Praxis</i> , <b>2004</b> , 29, 171-177   | 0.3  | 1 |
| 144 | Multivitamin supplements and HIV disease progression. <i>New England Journal of Medicine</i> , <b>2004</b> , 351, 1353-4; author reply 1353-4  | 59.2 | 1 |
| 143 | Serum folate and homocysteine levels in head and neck squamous cell carcinoma. <i>Cancer</i> , <b>2002</b> , 95, 2252-3; author reply 2253-4   | 6.4  | 1 |
| 142 | Histophagozytische Lymphohistiozytose bei 3 Kindern. <i>Monatsschrift Fur Kinderheilkunde</i> , <b>2002</b> , 150, 748-755   | 0.2  | 1 |
| 141 | Death from pneumonia in patients with progressive dementia. <i>Journal of the American Geriatrics Society</i> , <b>2003</b> , 51, 721  | 5.6  | 1 |

|     |   |      |   |
|-----|---|------|---|
| 140 | AMAS (Austrian Moderate Altitude Study)-2000: Effects of Hiking Holidays at Moderate Altitude on Immune System Markers in Persons with Metabolic Syndrome.. <i>Pteridines</i> , <b>2004</b> , 15, 149-154 | 0.6  | 1 |
| 139 | Letter regarding article by Vita et al, "serum myeloperoxidase levels independently predict endothelial dysfunction in humans". <i>Circulation</i> , <b>2005</b> , 111, e167-8; author reply e167-8       | 16.7 | 1 |
| 138 | Chronic immune stimulation may link ischemic heart disease with depression. <i>Circulation</i> , <b>2002</b> , 105, e8316.7   | 16.7 | 1 |
| 137 | Peripheral Immune Activation in Alzheimer's Disease. <i>Pteridines</i> , <b>2000</b> , 11, 48-53  | 0.6  | 1 |
| 136 | Neopterin, soluble adhesion molecules and soluble cytokine receptors correlate with disease activity in rheumatoid arthritis. <i>Pteridines</i> , <b>2000</b> , 11, 54-59                                 | 0.6  | 1 |
| 135 | Neopterin als Prognoseparameter bei malignen Tumorerkrankungen. Neopterin as Prognostic Parameter in Malignant Tumor Disease. <i>Laboratoriums Medizin</i> , <b>1999</b> , 23, 545-549                    |      | 1 |
| 134 | Obesity and cytokines. <i>International Journal of Obesity</i> , <b>1999</b> , 23, 1104   | 5.5  | 1 |
| 133 | Abnormal potassium-channel function in platelets in Alzheimer's disease. <i>Lancet, The</i> , <b>1999</b> , 353, 325-6  | 40   | 1 |
| 132 | Bad teeth and myocardial infarction. Biological mechanisms for link. <i>BMJ: British Medical Journal</i> , <b>1993</b> , 306, 1196  |      | 1 |
| 131 | Iron and coronary heart disease. Iron linked to immune activation. <i>BMJ: British Medical Journal</i> , <b>1993</b> , 307, 1067  |      | 1 |
| 130 | Human immunodeficiency virus infection of the nervous system. <i>Annals of Neurology</i> , <b>1994</b> , 35, 125-6  | 9.4  | 1 |
| 129 | Activated macrophages and radicals in scleroderma. <i>Journal of the American Academy of Dermatology</i> , <b>1994</b> , 30, 1045-7   | 4.5  | 1 |
| 128 | Cytokine-induced increase in liver serotonin. <i>Immunology Letters</i> , <b>1991</b> , 28, 259   | 4.1  | 1 |
| 127 | Urine neopterin concentrations and activity of psoriasis. <i>British Journal of Dermatology</i> , <b>1993</b> , 129, 498-94   |      | 1 |
| 126 | Cell-mediated immunoreactivity in AIDS. <i>Trends in Immunology</i> , <b>1989</b> , 10, 150   |      | 1 |
| 125 | Interactions between haemopoietic growth factors. <i>Lancet, The</i> , <b>1989</b> , 1, 1266  | 40   | 1 |
| 124 | Cytokines and acquired immunodeficiency syndrome. <i>American Journal of Medicine</i> , <b>1989</b> , 86, 509   | 2.4  | 1 |
| 123 | Urinary neopterin concentrations and T-cell subset data in HIV-1 infection. <i>Klinische Wochenschrift</i> , <b>1990</b> , 68, 43-8   |      | 1 |



|     |   |      |   |
|-----|---|------|---|
| 122 | Distinct Neopterin Excretion Patterns after Vaccination. <i>Pteridines</i> , <b>1990</b> , 2, 147-149   | 0.6  | 1 |
| 121 | HIV infection and tuberculosis. <i>BMJ: British Medical Journal</i> , <b>1990</b> , 300, 814  |      | 1 |
| 120 | Increased 7,8-dihydroneopterin and reduced methyl-group metabolism in HIV-1 infection. <i>Lancet, The</i> , <b>1990</b> , 335, 1167   | 40   | 1 |
| 119 | Results of longitudinal immunological surveillance of individuals directly or indirectly infected by a single HIV seropositive donor. <i>Transfusion Science</i> , <b>1990</b> , 11, 73-78  |      | 1 |
| 118 | Neopterin and psoriasis. <i>Lancet, The</i> , <b>1991</b> , 338, 1522   | 40   | 1 |
| 117 | HIV vaccination and blood transfusion. <i>Nature</i> , <b>1987</b> , 330, 702-3   | 50.4 | 1 |
| 116 | Pterins as biochemical tests for diagnosis and management of patients with malignant lymphoma and leukemia. <i>Clinica Chimica Acta</i> , <b>1988</b> , 173, 233-4  | 6.2  | 1 |
| 115 | Effect of interferon gamma on tryptophan and pteridine metabolism of human cells. <i>Journal of the National Cancer Institute</i> , <b>1988</b> , 80, 974-5   | 9.7  | 1 |
| 114 | AIDS: T cell activation and viral progression. <i>Current Problems in Dermatology</i> , <b>1989</b> , 18, 229-35  |      | 1 |
| 113 | Elevated Cerebrospinal Fluid Anti-CD4 Autoantibody Levels in HIV Associate with Neuroinflammation.. <i>Microbiology Spectrum</i> , <b>2022</b> , e0197521   | 8.9  | 1 |
| 112 | Immune status of drug abusers. <i>Cancer Detection and Prevention Supplement: Official Publication of the International Society for Preventive Oncology, Inc</i> , <b>1987</b> , 1, 535-41  |      | 1 |
| 111 | Activated T cells in addition to LAV/HTLV-III infection: a necessary precondition for development of AIDS. <i>Cancer Detection and Prevention Supplement: Official Publication of the International Society for Preventive Oncology, Inc</i> , <b>1987</b> , 1, 583-7 |      | 1 |
| 110 | Altitude sickness: hyperventilatory capacity may predict altitude sickness. <i>BMJ, The</i> , <b>2003</b> , 327, 106  | 5.9  | 1 |
| 109 | Depression in terminally ill patients with cancer. <i>Journal of the Royal Society of Medicine</i> , <b>2002</b> , 95, 526  | 2.3  | 1 |
| 108 | 38th International Winter-Workshop Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics Innsbruck, February 26th [March 1st, 2019. <i>Pteridines</i> , <b>2019</b> , 30, 74-102  | 0.6  | 1 |
| 107 | Neopterin Changes during Zidovudine Treatment of HIV-1 Infection. <i>Pteridines</i> , <b>1990</b> , 2, 81-82  | 0.6  | 1 |
| 106 | Cyclosporin A Treatment in Psoriasis: Monitoring by Neopterin Concentrations In Serum and Urine. <i>Pteridines</i> , <b>1993</b> , 4, 149-152   | 0.6  | 1 |
| 105 | Neopterin, $\beta$ -Microglobulin, Tryptophan and Kynurenine In Sporadic Amyotrophic Lateral Sclerosis. <i>Pteridines</i> , <b>1994</b> , 5, 142-148  | 0.6  | 1 |

|     |   |      |   |
|-----|---|------|---|
| 104 | Follow-up of Urinary Neopterin Concentrations in two Healthy Children until Adolescence. <i>Pteridines</i> , <b>2003</b> , 14, 102-107  | 0.6  | 1 |
| 103 | Use of neopterin as a bone marrow hematopoietic and stromal cell growth factor in tissue-engineered devices. <i>Advances in Experimental Medicine and Biology</i> , <b>2006</b> , 585, 115-21   | 3.6  | 1 |
| 102 | Oxyresveratrol modulates the immune response in vitro. <i>Pteridines</i> , <b>2021</b> , 32, 70-78  | 0.6  | 1 |
| 101 | Neopterin and kynurenine concentrations in aqueous humour of the anterior chamber of the eye and in serum of cataract patients with pseudoexfoliation. <i>Pteridines</i> , <b>2000</b> , 11, 94-99  | 0.6  | 1 |
| 100 | Impairment of Lipid Metabolism Due to Deficiency of Pyridoxal-5-phosphate and/or Activated Immune system: its Interpretation. <i>Pteridines</i> , <b>2000</b> , 11, 107-120   | 0.6  | 1 |
| 99  | Plasma soluble P-selectin correlates with triglycerides and nitrite in overweight/obese patients with schizophrenia. <i>Pteridines</i> , <b>2020</b> , 31, 61-67  | 0.6  | 1 |
| 98  | Similarity Between the Action of Pteridines and Tryptophan Metabolites on Lipid Metabolism. <i>Pteridines</i> , <b>1999</b> , 10, 133-140   | 0.6  | 1 |
| 97  | Predominant secondary dengue infection among Vietnamese adults mostly without warning signs and severe disease. <i>International Journal of Infectious Diseases</i> , <b>2020</b> , 100, 316-323  | 10.5 | 1 |
| 96  | Increased immune activation and signs of neuronal injury in HIV-negative people on preexposure prophylaxis. <i>Aids</i> , <b>2021</b> , 35, 2129-2136   | 3.5  | 1 |
| 95  | Past Substance Use Affects Central Nervous System (CNS) Inflammation in Human Immunodeficiency Virus Infection. <i>Open Forum Infectious Diseases</i> , <b>2016</b> , 3,  | 1    | 1 |
| 94  | Cardioprotective effect of polyamine spermidine. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 109, 218   | 7    | 1 |
| 93  | 37th International Winter-Workshop Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics. <i>Pteridines</i> , <b>2018</b> , 29, 42-69   | 0.6  | 1 |
| 92  | Neurotransmitter Precursor Amino Acid Ratios Show Differential, Inverse Correlations with Depression Severity in the Low and High Depression Score Range. <i>International Journal of Tryptophan Research</i> , <b>2021</b> , 14, 11786469211039220 | 5.6  | 1 |
| 91  | Neopterin, an Immunodiagnostic and Oxidative Stress Indicator <b>2002</b> , 365-369   |      | 1 |
| 90  | Effect of antiretroviral treatment on blood-brain barrier integrity in HIV-1 infection.. <i>BMC Neurology</i> , <b>2021</b> , 21, 494   | 3.1  | 1 |
| 89  | Letter Re: Role Of Sleep-Disordered Breathing And Sleep-Wake Disturbances For Stroke And Stroke Recovery. <i>Neurology</i> , <b>2017</b> , 88, 220  | 6.5  | 0 |
| 88  | Effect of orally administered dipterinyl calcium pentahydrate on oral glucose tolerance in diet-induced obese mice. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2012</b> , 5, 43-7                                    | 3.4  | 0 |
| 87  | Modulation of phenylalanine and tyrosine concentrations by ischemia and guanosine in neuronal PC12 cells. <i>Pteridines</i> , <b>2013</b> , 24, 245-250   | 0.6  | 0 |

|    |  |      |   |
|----|--|------|---|
| 86 | Interferon-gamma and coronary lesions in HIV infection. <i>Lancet, The</i> , <b>1993</b> , 341, 383  | 4.0  | o |
| 85 | Neopterin and the Acute Phase Response In Human Immunodeficiency Virus Type 1 (HIV -1) Infection. <i>Pteridines</i> , <b>1991</b> , 3, 167-170   | 0.6  | o |
| 84 | Gender-specific elevation of plasma anthranilic acid in schizophrenia: Protection against glutamatergic hypofunction?. <i>Schizophrenia Research</i> , <b>2022</b> ,                                       | 3.6  | o |
| 83 | Interferon-γ-Induced Growth Inhibition of Neuroblastoma Cells is Independent of Induction of Nitric Oxide Synthase and Indoleamine 2,3-dioxygenase. <i>Pteridines</i> , <b>2004</b> , 15, 91-96            | 0.6  | o |
| 82 | Intersecting minority statuses and tryptophan degradation among stimulant-using, sexual minority men living with HIV. <i>Journal of Consulting and Clinical Psychology</i> , <b>2021</b> , 89, 156-165     | 6.5  | o |
| 81 | Tryptophan depletion predicts lower positive affect in sexual minority men living with HIV who use methamphetamine. <i>Journal of NeuroVirology</i> , <b>2021</b> , 27, 178-182                            | 3.9  | o |
| 80 | Laboratory diagnostic value of neopterin measurements in patients with COVID-19 infection. <i>Pteridines</i> , <b>2021</b> , 32, 1-4   | 0.6  | o |
| 79 | Real-Life Cause-Effect Relations Between Urinary IL-6 Levels and Specific and Nonspecific Symptoms in a Patient With Mild SLE Disease Activity.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 718838 | 8.4  | o |
| 78 | Regulatory T Cell Modulation by Improves Feather Damage in Chickens.. <i>Frontiers in Veterinary Science</i> , <b>2022</b> , 9, 855261   | 3.1  | o |
| 77 | Physical activity to counteract the impact of alcohol intake on overall mortality risks. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 692   | 10.3 |   |
| 76 | Tryptophan and Nitric Oxide in Allergy. <i>Molecular and Integrative Toxicology</i> , <b>2015</b> , 55-73  | 0.5  |   |
| 75 | Letters to the Editor. <i>Allergy and Asthma Proceedings</i> , <b>2016</b> , 37, 47-8  | 2.6  |   |
| 74 | Serum neopterin concentrations and tryptophan degradation pattern in patients with late stage larynx carcinoma. <i>Pteridines</i> , <b>2017</b> , 28, 91-95  | 0.6  |   |
| 73 | Modulation of Immune Response by Antioxidants <b>2015</b> , 249-262  |      |   |
| 72 | Die Auferstehung Christi aus medizinischer Sicht. <i>Biologie in Unserer Zeit</i> , <b>2014</b> , 44, 124-128  | 0.1  |   |
| 71 | Tryptophan catabolism during intracellular infection. <i>Journal of Infectious Diseases</i> , <b>2012</b> , 205, 1617-8; author reply 1618   | 7    |   |
| 70 | Immune activation and neuropsychiatric symptoms in human immunodeficiency virus type 1 infection. <i>Neurobehavioral HIV Medicine</i> , <b>2012</b> , 1  |      |   |
| 69 | New developments in the publication of Pteridines. <i>Pteridines</i> , <b>2013</b> , 24, 1   | 0.6  |   |

- 68 Cacao for the Prevention of Cardiovascular Diseases **2013**, 271-281
- 67 Neopterin suppresses the activity of tryptophan-degrading enzyme indoleamine 2,3-dioxygenase in human peripheral blood mononuclear cells. *Pteridines*, **2013**, 24, 237-243 0.6
- 66 Homocysteine metabolism in different human cells. *Pteridines*, **2013**, 24, 183-189 0.6
- 65 Pteridine-dependent oxygen activation in neutrophils. *Cell and Tissue Biology*, **2009**, 3, 538-543 0.4
- 64 NanoLINEN: nanotoxicology link between India and European Nations. *Journal of Biomedical Nanotechnology*, **2011**, 7, 203-4 4
- 63 Molekulare Stoffwechsellensensorik bei durch Adipositas induzierter Entzündung. *Schweizerische Zeitschrift für GanzheitsMedizin*, **2012**, 24, 221-231
- 62 Impact of Sodium Sulphite (E221) on Chronic Allograft Vasculopathy in Mice. *Transplantation*, **2012**, 94, 453 1.8
- 61 Vitamin-C supplementation and coeliac disease. *Acta Paediatrica, International Journal of Paediatrics*, **2010**, 99, 1756-7 3.1
- 60 3.P.152 Increased neopterin indicates enhanced oxidative stress in atherosclerosis. *Atherosclerosis*, **1997**, 134, 230 3.1
- 59 Letter by Schroecksnadel et al regarding article, "Beta 2-microglobulin as a biomarker in peripheral arterial disease: proteomic profiling and clinical studies". *Circulation*, **2008**, 117, e330; author reply e331 16.7
- 58 Influence of Neopterin on Ciliary Beat Frequency of Human Nasal Epithelial Cells in vitro. *Pteridines*, **2008**, 19, 79-85 0.6
- 57 Increase in vitamin B-12 during highly active antiretroviral therapy. *American Journal of Clinical Nutrition*, **2003**, 78, 1046; author reply 1046-7 7
- 56 Moderate hyperhomocysteinemia and oxidative stress. *Kidney International*, **2002**, 61, 1910 9.9
- 55 On the Mechanisms of the Neopterin-induced Suppression of Renal Erythropoietin Production. *Pteridines*, **2004**, 15, 28-32 0.6
- 54 Inflammation, Homocysteine, Pyridoxal-5-phosphate and Lipids in Patients with Coronary Artery Disease before and Six Months after Coronary Angioplasty Followed by Stent Implantation. *Pteridines*, **2005**, 16, 190-194 0.6
- 53 A Herbal Multicomponent Mixture Effective in Suppressing Biochemical Pathways in Mitogen-stimulated Human Peripheral Blood Mononuclear Cells. *Pteridines*, **2005**, 16, 195-201 0.6
- 52 Neopterin Production and Tryptophan Degradation in Patients with Neurodegenerative Diseases: Link between Immune Activation and Neuropsychiatric Symptoms **2001**, 20, 30-40
- 51 Depression in Terminally Ill Patients with Cancer. *Journal of the Royal Society of Medicine*, **2002**, 95, 526-526

|    |  |      |
|----|--|------|
| 50 | Homocysteine and heart disease in Indian Asians. <i>Lancet, The</i> , <b>2000</b> , 355, 2249; author reply 2250   | 4.0  |
| 49 | Immunological Changes in Schizophrenia - Effects of the Disease? <b>2001</b> , 20, 66-74   |      |
| 48 | Neopterin and Kynurenine in Mesangioproliferative Glomerulonephritis. <i>Pteridines</i> , <b>1998</b> , 9, 207-211   | 0.6  |
| 47 | Difference and Similarity of Serotonin and Pteridines to Act on Lipid Metabolism. <i>Pteridines</i> , <b>1998</b> , 9, 201-206   | 0.6  |
| 46 | Human immunodeficiency virus infection and porphyria cutanea tarda. <i>Clinical Infectious Diseases</i> , <b>1995</b> , 21, 1530-1   | 11.6 |
| 45 | Neopterin concentrations in vaginal secretions. <i>Clinical Chemistry</i> , <b>1996</b> , 42, 1495-1497  | 5.5  |
| 44 | Activated Cellular Immunity in Chronic Hepatitis C. <i>Hematology</i> , <b>1996</b> , 1, 75-8  | 2.2  |
| 43 | Prognosis of human immunodeficiency virus-infected women after delivery. <i>American Journal of Obstetrics and Gynecology</i> , <b>1993</b> , 169, 752-3                               | 6.4  |
| 42 | Making the blood supply safer. <i>Annals of Internal Medicine</i> , <b>1993</b> , 118, 574-5   | 8    |
| 41 | Cyclosporin for erythropoietin resistance. <i>Lancet, The</i> , <b>1994</b> , 343, 1231  | 4.0  |
| 40 | Activated cellular immunity in ovarian carcinoma patients. <i>American Journal of Obstetrics and Gynecology</i> , <b>1994</b> , 171, 1159-60   | 6.4  |
| 39 | Immune activation and neuronal injury in AIDS. <i>Trends in Neurosciences</i> , <b>1992</b> , 15, 253-4  | 13.3 |
| 38 | Anemia of Chronic Disease: A Misnomer?. <i>Annals of Internal Medicine</i> , <b>1992</b> , 116, 520  | 8    |
| 37 | Immunaktivierung nach gynäkologischen Operationen [Einfluß auf die Neopterinausscheidung. <i>Archives of Gynecology and Obstetrics</i> , <b>1993</b> , 254, 1631-1632                  | 2.5  |
| 36 | Interferon gamma and depressed cellular immune response. <i>American Journal of Obstetrics and Gynecology</i> , <b>1990</b> , 162, 1338  | 6.4  |
| 35 | Prognostic value of CA 125 and neopterin in women with ovarian cancer undergoing second-look laparotomy. <i>American Journal of Obstetrics and Gynecology</i> , <b>1991</b> , 165, 779 | 6.4  |
| 34 | Predicting AIDS. <i>BMJ: British Medical Journal</i> , <b>1988</b> , 297, 1543   |      |
| 33 | Concentrations of neopterin in serum of recipients of renal allografts.. <i>Clinical Chemistry</i> , <b>1989</b> , 35, 2157-2157   | 2.5  |

- 32 Comparative Studies on Urinary Neopterin Excretion and other Laboratory Parameters **1985**, 607-618
- 31 URINARY NEOPTERIN EXCRETION AS AN ACTIVITY PARAMETER IN CROHN'S DISEASE **1985**, 461-472
- 30 THE CLINICAL RELEVANCE OF THE NEOPTERIN-DETERMINATION IN PATIENTS WITH CERVICAL AND OVARIAN CANCER **1985**, 515-524
- 29 PTERIDINES DBING GRCWTH AND DIFEEENTIATION OF PHYSARUM POLYCEPHALUM **1982**, 257-266
- 28 AIDS incidence rates in Austria. *Wiener Klinische Wochenschrift*, **1989**, 101, 388-90 2.3
- 27 Immunological status and HIV antibodies in patients with haemophilia--a longitudinal study. *Wiener Klinische Wochenschrift*, **1988**, 100, 505-9 2.3
- 26 Neopterin and HIV infection. *Acta Microbiologica Et Immunologica Hungarica*, **1994**, 41 Suppl, 21-5 1.8
- 25 Inflammation, iron and vitamin D metabolism in different cardiomyopathy aetiologies. *Pteridines*, **2020**, 31, 28-37 0.6
- 24 Laboratory Markers to Support Early Diagnosis of Infection and Inflammation **2000**, 477-491
- 23 Soluble Fas ligand and neopterin in patients with systemic and cutaneous discoid lupus erythematosus. *Pteridines*, **2000**, 11, 85-89 0.6
- 22 Neopterin and 7,8-Dihydroneopterin-Induced Signal Transduction Cascades in Cell Lines **2002**, 377-381
- 21 Is Moderate Hyperhomocysteinemia Due to Folic Acid Depletion Rather than Insufficient Dietary Intake? **2002**, 575-579
- 20 Potential Tolerizing Capacity of Human Dendritic Cells Featuring High Levels of Expression and Activity of the Tryptophan Metabolizing Enzyme Indoleamine 2,3 Dioxygenase.. *Blood*, **2006**, 108, 623-623<sup>2</sup>
- 19 Neopterin to Predict Disease Progression in Intravenous Drug Users Infected with HIV-1 **1991**, 305-312
- 18 Neopterin, Interferon- $\gamma$  and Immunodeficiency States **1993**, 715-718
- 17 Neopterin Levels In Thyroid Pseudocysts. *Pteridines*, **1993**, 4, 200-205 0.6
- 16 Serum Neopterin Levels and Metal Binding to Transferrin In Parkinson's Disease Patients. *Pteridines*, **1994**, 5, 114-116 0.6
- 15 Effect of Sepiapterin, 7,8-Dihydrobiopterin, 5,6,7,8-Tetrahydrobiopterin and Xanthopterin on Cholesterol and Phospholipid Content and Phospholipid Biosynthesis in vitro. *Pteridines*, **1995**, 6, 69-73 0.6



|    |   |     |
|----|---|-----|
| 14 | Kynurenine and pteridines in changes of membrane fluidity. <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 398, 255-61   | 3.6 |
| 13 | Neopterin in Autoimmune Rheumatic Diseases. <i>Pteridines</i> , <b>1999</b> , 10, 119-124   | 0.6 |
| 12 | Prognostic significance of urinary neopterin in ovarian cancer a study of the Austrian Gynecologic Oncology Group.. <i>Journal of Clinical Oncology</i> , <b>2014</b> , 32, 5561-5561   | 2.2 |
| 11 | Role of Kynurenine Pathway in Cardiovascular Diseases <b>2015</b> , 133-143   |     |
| 10 | Indoleamine 2,3-Dioxygenase (IDO1) Levels and Activity Are Increased in Early Chronic Phase Chronic Myelogenous Leukemia (CML-CP) and Correlate with Molecular Response to Nilotinib Therapy. <i>Blood</i> , <b>2016</b> , 128, 1912-1912 | 2.2 |
| 9  | Immunologie und Infektionskrankheiten <b>2010</b> , 323-417   |     |
| 8  | Predictive Value of IFN- $\gamma$ -Induced Indoleamine 2,3-Dioxygenase (IDO) Expression in Cancer Patients <b>2011</b> , 495-507  |     |
| 7  | Neopterin, an Indicator of T-Cell Activation, in Monitoring Neoplasias. <i>Protides of the Biological Fluids; Proceedings of the Colloquium</i> , <b>1984</b> , 683-686   |     |
| 6  | Neopterin – ein Marker für den zellulären Immunstatus – Bedeutung bei AIDS, ARC und AIDS-Risikogruppen <b>1985</b> , 97-127   |     |
| 5  | Die Wertigkeit des Neopterins bei Polytoxikomanien <b>1986</b> , 389-392  |     |
| 4  | Die klinische Bedeutung des Neopterin als Tumormarker <b>1987</b> , 284-288   |     |
| 3  | Metabolic Stress and Immunity: Nutrient-Sensing Kinases and Tryptophan Metabolism. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1275, 395-405   | 3.6 |
| 2  | Interferon- $\gamma$ -Mediated Pathways And Mitogen Stimulated Proliferation During And After An Acute Infection. <i>Pteridines</i> , <b>2018</b> , 29, 70-79   | 0.6 |
| 1  | Cerebral function parameters in people with HIV switching integrase inhibitors: a randomized controlled trial. <i>HIV Research and Clinical Practice</i> , <b>2021</b> , 1-9  | 1.7 |