

Adam Eckhardt

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,341
citations

430442

18
h-index

360668

35
g-index

60
all docs

60
docs citations

60
times ranked

2084
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Cell responses to the mechanochemical microenvironmentâ€”Implications for regenerative medicine and drug deliveryâ†. <i>Advanced Drug Delivery Reviews</i> , 2007, 59, 1329-1339. | 6.6 | 351 |
| 2 | Enhanced Growth and Osteogenic Differentiation of Human Osteoblast-Like Cells on Boron-Doped Nanocrystalline Diamond Thin Films. <i>PLoS ONE</i> , 2011, 6, e20943. | 1.1 | 70 |
| 3 | Proteins of Insoluble Matrix of Avian (<i>Gallus Gallus</i>) Eggshell. <i>Connective Tissue Research</i> , 2007, 48, 1-8. | 1.1 | 60 |
| 4 | Comprehensive proteomic analysis of human dentin. <i>European Journal of Oral Sciences</i> , 2012, 120, 259-268. | 0.7 | 57 |
| 5 | Preparative procedures and purity assessment of collagen proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 790, 245-275. | 1.2 | 51 |
| 6 | Chromatographic determination of herbicide residues in various matrices. <i>Biomedical Chromatography</i> , 2004, 18, 350-359. | 0.8 | 46 |
| 7 | Determination of insoluble avian eggshell matrix proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 205-214. | 1.9 | 46 |
| 8 | Identification of collagen types in tissues using HPLCâ€”MS/MS. <i>Journal of Separation Science</i> , 2008, 31, 3483-3488. | 1.3 | 38 |
| 9 | Proteomic Analysis of Human Tooth Pulp: Proteomics of Human Tooth. <i>Journal of Endodontics</i> , 2014, 40, 1961-1966. | 1.4 | 37 |
| 10 | Study of posttranslational non-enzymatic modifications of collagen using capillary electrophoresis/mass spectrometry and high performance liquid chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1155, 125-133. | 1.8 | 34 |
| 11 | Insoluble eggshell matrix proteins â€” their peptide mapping and partial characterization by capillary electrophoresis and high-performance liquid chromatography. <i>Electrophoresis</i> , 2003, 24, 843-852. | 1.3 | 33 |
| 12 | Eggshell pigmentation has no evident effects on offspring viability in common kestrels. <i>Evolutionary Ecology</i> , 2014, 28, 627-637. | 0.5 | 28 |
| 13 | Interaction of surfactants with homologous series of peptides studied by reversed-phase thin-layer chromatography. <i>Journal of Chromatography A</i> , 2001, 910, 137-145. | 1.8 | 24 |
| 14 | Endocardial Fibroelastosis is Secondary to Hemodynamic Alterations in the Chick Embryonic Model of Hypoplastic Left Heart Syndrome. <i>Developmental Dynamics</i> , 2018, 247, 509-520. | 0.8 | 24 |
| 15 | The effect of sodium dodecyl sulfate and Pluronic F127 on the electrophoretic separation of protein and polypeptide test mixtures at acid pH. <i>Electrophoresis</i> , 2002, 23, 1882. | 1.3 | 23 |
| 16 | Proteomic analysis of human tooth pulp proteomes â€” Comparison of caries-resistant and caries-susceptible persons. <i>Journal of Proteomics</i> , 2016, 145, 127-136. | 1.2 | 22 |
| 17 | Comparison of standard capillary and chip separations of sodium dodecylsulfateâ€”protein complexes. <i>Journal of Chromatography A</i> , 2003, 990, 153-158. | 1.8 | 21 |
| 18 | Proteomic analysis of post-nuclear supernatant fraction and percoll-purified membranes prepared from brain cortex of rats exposed to increasing doses of morphine. <i>Proteome Science</i> , 2014, 12, 11. | 0.7 | 20 |

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|----|---|-----|-----------|
| 19 | Proteomic analysis of the extracellular matrix in idiopathic pes equinovarus. <i>Molecular and Cellular Biochemistry</i> , 2015, 401, 133-139. | 1.4 | 20 |
| 20 | Oxidized Collagen Stimulates Proliferation of Vascular Smooth Muscle Cells. <i>Experimental and Molecular Pathology</i> , 1997, 64, 185-194. | 0.9 | 17 |
| 21 | Separation of low-molecular mass peptides by capillary electrophoresis with the use of alkylamines as dynamic coating agents at low pH. <i>Journal of Chromatography A</i> , 2004, 1051, 111-117. | 1.8 | 16 |
| 22 | Peptide mapping by capillary electrophoresis with Pluronic F127. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 800, 155-160. | 1.2 | 15 |
| 23 | Matrices for capillary gel electrophoresis—a brief overview of uncommon gels. <i>Biomedical Chromatography</i> , 2006, 20, 458-465. | 0.8 | 15 |
| 24 | Novel contribution to clubfoot pathogenesis: The possible role of extracellular matrix proteins. <i>Journal of Orthopaedic Research</i> , 2019, 37, 769-778. | 1.2 | 15 |
| 25 | Non-enzymatic posttranslational modifications of bovine serum albumin by oxo-compounds investigated by high-performance liquid chromatography–mass spectrometry and capillary zone electrophoresis–mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 8009-8015. | 1.8 | 14 |
| 26 | Ultraviolet light-irradiated collagen III modulates expression of cytoskeletal and surface adhesion molecules in rat aortic smooth muscle cells in vitro. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2002, 440, 50-62. | 1.4 | 13 |
| 27 | Separation of tryptic peptides of native and glycosylated BSA using open-tubular CEC with salophene–lanthanide–Zn ²⁺ complex as stationary phase. <i>Journal of Separation Science</i> , 2009, 32, 3930-3935. | 1.3 | 13 |
| 28 | Modification of Human Pericardium by Chemical Crosslinking. <i>Physiological Research</i> , 2020, 69, 49-59. | 0.4 | 12 |
| 29 | Determination and Quantification of Collagen Types in Tissues Using HPLC-MS/MS. <i>Current Analytical Chemistry</i> , 2009, 5, 316-323. | 0.6 | 11 |
| 30 | Accelerated in vitro recellularization of decellularized porcine pericardium for cardiovascular grafts. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 025024. | 1.7 | 11 |
| 31 | Evaluation of peptide electropherograms by multivariate mathematical–statistical methods. <i>Journal of Chromatography A</i> , 2001, 921, 81-91. | 1.8 | 10 |
| 32 | Porphyrin Based Affinity Interactions: Analytical Applications with Special Reference to Open Tubular Capillary Electrochromatography. <i>Current Analytical Chemistry</i> , 2005, 1, 103-119. | 0.6 | 10 |
| 33 | Capillary electromigration methods for the study of collagen. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 841, 3-13. | 1.2 | 10 |
| 34 | Analysis of Siamese Crocodile (<i>Crocodylus siamensis</i>) Eggshell Proteome. <i>Protein Journal</i> , 2018, 37, 21-37. | 0.7 | 10 |
| 35 | Proteomic Analysis of Peroxynitrite-Induced Protein Nitration in Isolated Beef Heart Mitochondria. <i>Physiological Research</i> , 2018, 67, 239-250. | 0.4 | 10 |
| 36 | Posttranslational modifications of collagen studied by off-line coupling of HPLC and CE. <i>Journal of Separation Science</i> , 2006, 29, 1126-1131. | 1.3 | 9 |

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|----|---|-----|-----------|
| 37 | Comparison of CE-MS and LC-MS Analyses of Avian Eggshell Matrix Proteins. <i>Chromatographia</i> , 2008, 67, 89-96. | 0.7 | 9 |
| 38 | Decreased collagen VI in the tunica media of pulmonary vessels during exposure to hypoxia: a novel step in pulmonary arterial remodeling. <i>Pulmonary Circulation</i> , 2019, 9, 204589401986074. | 0.8 | 8 |
| 39 | Impact of three-month morphine withdrawal on rat brain cortex, hippocampus, striatum and cerebellum: proteomic and phosphoproteomic studies. <i>Neurochemistry International</i> , 2021, 144, 104975. | 1.9 | 8 |
| 40 | Comparison of the electrophoretic separation of proteins in capillaries with different inner diameter. <i>Journal of Chromatography A</i> , 2003, 1013, 233-238. | 1.8 | 7 |
| 41 | Growth of Vascular Smooth Muscle Cells on Collagen I Exposed to RBL-2H3 Mastocytoma Cells. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 615-622. | 1.1 | 7 |
| 42 | Study of Saiga Horn Using High-Performance Liquid Chromatography with Mass Spectrometry. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8. | 0.8 | 7 |
| 43 | Separation of low-molecular mass peptides by capillary electrophoresis with the use of alkylamines as dynamic coating agents at low pH. <i>Journal of Chromatography A</i> , 2004, 1051, 111-117. | 1.8 | 7 |
| 44 | Possible Pathogenetic Mechanisms and New Therapeutic Approaches of <i>Pes Equinovarus</i> . <i>Physiological Research</i> , 2017, 66, 403-410. | 0.4 | 7 |
| 45 | Increased Collagen Crosslinking in Stiff Clubfoot Tissue: Implications for the Improvement of Therapeutic Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11903. | 1.8 | 7 |
| 46 | Binding of environmental pollutants to the corn protein zein studied by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2003, 987, 403-408. | 1.8 | 6 |
| 47 | Minoxidil decreases collagen I deposition and tissue-like contraction in clubfoot-derived cells: a way to improve conservative treatment of relapsed clubfoot?. <i>Connective Tissue Research</i> , 2021, 62, 554-569. | 1.1 | 6 |
| 48 | Mixtures of nonionic and anionic surfactants: interactions with low-molecular-mass homopeptides. <i>Journal of Chromatography A</i> , 2001, 917, 287-295. | 1.8 | 5 |
| 49 | Capillary electrophoretic separation of proteins and peptides by ion-pairing with heptanesulfonic acid. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 800, 161-167. | 1.2 | 5 |
| 50 | Interaction of Hydroxypropyl- β -Cyclodextrin with Peptides, Studied by Reversed-Phase Thin-Layer Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 2619-2632. | 0.5 | 5 |
| 51 | Proteomic analysis of cardiac ventricles: baso-apical differences. <i>Molecular and Cellular Biochemistry</i> , 2018, 445, 211-219. | 1.4 | 5 |
| 52 | Increased Microvessel and Arteriole Density in the Contracted Side of the Relapsed Clubfoot. <i>Journal of Pediatric Orthopaedics</i> , 2020, 40, 592-596. | 0.6 | 5 |
| 53 | Alterations in the Proteome and Phosphoproteome Profiles of Rat Hippocampus after Six Months of Morphine Withdrawal: Comparison with the Forebrain Cortex. <i>Biomedicines</i> , 2022, 10, 80. | 1.4 | 5 |
| 54 | Interaction Between Cholesterol and Non-ionic Surfactants Studied by Thin-Layer Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 1981-1992. | 0.5 | 4 |

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|----|--|-----|-----------|
| 55 | Proteomics of Collagen Peptides: A Method to Reveal Minor Changes in Post-Translationally Modified Collagen by HPLC and Capillary Electrophoresis. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 1437-1451. | 0.5 | 4 |
| 56 | The possible role of hypoxia in the affected tissue of relapsed clubfoot. Scientific Reports, 2022, 12, 4462. | 1.6 | 4 |
| 57 | Plastic substrates based separation channels in electromigration techniques. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 800, 83-89. | 1.2 | 3 |
| 58 | Tu-P7:265 Collagen I modified by matrix metalloprotease 13 or mast cells decreases adhesion and stimulates growth of vascular smooth muscle cells. Atherosclerosis Supplements, 2006, 7, 243. | 1.2 | 1 |
| 59 | A Method for Analysis of by Coupled with Mass. Methods in Molecular Biology, 2021, 2276, 383-396. | 0.4 | 0 |
| 60 | Response to: "Quantity," "Quality" and "Distribution Pattern" of Neo Vascular System: Is it the Time to Come Back to Aristotle Categories?. Journal of Pediatric Orthopaedics, 2021, 41, e199-e200. | 0.6 | 0 |