

Wanda Lattanzi

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,868
citations

185998

28
h-index

182168

51
g-index

82
all docs

82
docs citations

82
times ranked

4790
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Bone substitutes in orthopaedic surgery: from basic science to clinical practice. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2445-2461. | 1.7 | 791 |
| 2 | The S100B protein in biological fluids: more than a lifelong biomarker of brain distress. <i>Journal of Neurochemistry</i> , 2012, 120, 644-659. | 2.1 | 199 |
| 3 | Genetic advances in craniosynostosis. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 1406-1429. | 0.7 | 84 |
| 4 | A large interstitial deletion encompassing the amelogenin gene on the short arm of the Y chromosome. <i>Human Genetics</i> , 2005, 116, 395-401. | 1.8 | 76 |
| 5 | Adipose-Derived Mesenchymal Cells for Bone Regeneration: State of the Art. <i>BioMed Research International</i> , 2013, 2013, 1-11. | 0.9 | 69 |
| 6 | Therapeutic Implications of Mesenchymal Stem Cells in Liver Injury. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-8. | 3.0 | 65 |
| 7 | Qualitative and quantitative differences of adipose-derived stromal cells from superficial and deep subcutaneous lipoaspirates: a matter of fat. <i>Cytotherapy</i> , 2015, 17, 1076-1089. | 0.3 | 63 |
| 8 | Colon cancer stem cells: Controversies and perspectives. <i>World Journal of Gastroenterology</i> , 2013, 19, 2997. | 1.4 | 62 |
| 9 | Ex vivo-transduced autologous skin fibroblasts expressing human Lim mineralization protein-3 efficiently form new bone in animal models. <i>Gene Therapy</i> , 2008, 15, 1330-1343. | 2.3 | 58 |
| 10 | Adipose-derived stem cell therapies for bone regeneration. <i>Expert Opinion on Biological Therapy</i> , 2017, 17, 677-689. | 1.4 | 55 |
| 11 | Language Impairments in ASD Resulting from a Failed Domestication of the Human Brain. <i>Frontiers in Neuroscience</i> , 2016, 10, 373. | 1.4 | 52 |
| 12 | Genetic basis of single-suture synostoses: genes, chromosomes and clinical implications. <i>Child's Nervous System</i> , 2012, 28, 1301-1310. | 0.6 | 50 |
| 13 | Potential therapeutic targets for ALS: MIR206, MIR208b and MIR499 are modulated during disease progression in the skeletal muscle of patients. <i>Scientific Reports</i> , 2017, 7, 9538. | 1.6 | 48 |
| 14 | Four-Dimensional Bioprinting As a New Era for Tissue Engineering and Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 61. | 2.0 | 48 |
| 15 | The neuroprotective and neurogenic effects of neuropeptide Y administration in an animal model of hippocampal neurodegeneration and temporal lobe epilepsy induced by trimethyltin. <i>Journal of Neurochemistry</i> , 2012, 122, 415-426. | 2.1 | 46 |
| 16 | Neurotrophic Features of Human Adipose Tissue-Derived Stromal Cells: <i>In Vitro</i> and <i>In Vivo</i> Studies. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-9. | 3.0 | 44 |
| 17 | Efficient bone formation by gene transfer of human LIM mineralization protein-3. <i>Gene Therapy</i> , 2004, 11, 683-693. | 2.3 | 42 |
| 18 | Schizophrenia and Human Self-Domestication: An Evolutionary Linguistics Approach. <i>Brain, Behavior and Evolution</i> , 2017, 89, 162-184. | 0.9 | 42 |

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|----|---|-----|-----------|
| 19 | Mitochondrial Network Genes in the Skeletal Muscle of Amyotrophic Lateral Sclerosis Patients. PLoS ONE, 2013, 8, e57739. | 1.1 | 42 |
| 20 | Mitochondrial oxygen consumption inhibition importance for TMT-dependent cell death in undifferentiated PC12 cells. Neurochemistry International, 2008, 52, 1092-1099. | 1.9 | 39 |
| 21 | A craniosynostosis massively parallel sequencing panel study in 309 Australian and New Zealand patients: findings and recommendations. Genetics in Medicine, 2018, 20, 1061-1068. | 1.1 | 37 |
| 22 | Gene profiling of bone marrow- and adipose tissue-derived stromal cells: a key role of Kruppel-like factor 4 in cell fate regulation. Cytotherapy, 2011, 13, 329-340. | 0.3 | 34 |
| 23 | Lim mineralization protein is involved in the premature calvarial ossification in sporadic craniosynostoses. Bone, 2013, 52, 474-484. | 1.4 | 33 |
| 24 | Gene Expression Profiling as a Tool to Investigate the Molecular Machinery Activated during Hippocampal Neurodegeneration Induced by Trimethyltin (TMT) Administration. International Journal of Molecular Sciences, 2013, 14, 16817-16835. | 1.8 | 33 |
| 25 | Reduction and shaping of graphene-oxide by laser-printing for controlled bone tissue regeneration and bacterial killing. 2D Materials, 2018, 5, 015027. | 2.0 | 32 |
| 26 | Graphene Quantum Dots™ Surface Chemistry Modulates the Sensitivity of Glioblastoma Cells to Chemotherapeutics. International Journal of Molecular Sciences, 2020, 21, 6301. | 1.8 | 32 |
| 27 | Hypoxia-like transcriptional activation in TMT-induced degeneration: microarray expression analysis on PC12 cells. Journal of Neurochemistry, 2007, 100, 070210024758021-???. | 2.1 | 31 |
| 28 | Undifferentiated Human Adipose Tissue-Derived Stromal Cells Induce Mandibular Bone Healing in Rats. JAMA Otolaryngology, 2011, 137, 463. | 1.5 | 31 |
| 29 | Liposuction Aspirate Fluid Adipose-Derived Stem Cell Injection and Secondary Healing in Fingertip Injury: A Pilot Study. Plastic and Reconstructive Surgery, 2018, 142, 136-147. | 0.7 | 31 |
| 30 | SMAD6 variants in craniosynostosis: genotype and phenotype evaluation. Genetics in Medicine, 2020, 22, 1498-1506. | 1.1 | 31 |
| 31 | Estrogen administration modulates hippocampal GABAergic subpopulations in the hippocampus of trimethyltin-treated rats. Frontiers in Cellular Neuroscience, 2015, 9, 433. | 1.8 | 30 |
| 32 | Endoglin gene mutations and polymorphisms in Italian patients with hereditary haemorrhagic telangiectasia. Clinical Genetics, 2003, 63, 536-540. | 1.0 | 27 |
| 33 | Ex vivo gene therapy using autologous dermal fibroblasts expressing hLMP3 for rat mandibular bone regeneration. Head and Neck, 2010, 32, 310-318. | 0.9 | 27 |
| 34 | 3D-printed graphene for bone reconstruction. 2D Materials, 2020, 7, 022004. | 2.0 | 27 |
| 35 | Skeletal Muscle MicroRNAs as Key Players in the Pathogenesis of Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2018, 19, 1534. | 1.8 | 25 |
| 36 | The Neurogenic Effects of Exogenous Neuropeptide Y: Early Molecular Events and Long-Lasting Effects in the Hippocampus of Trimethyltin-Treated Rats. PLoS ONE, 2014, 9, e88294. | 1.1 | 24 |

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|----|---|-----|-----------|
| 37 | Novel Osteointegrative Sr-Substituted Apatitic Cements Enriched with Alginate. <i>Materials</i> , 2016, 9, 763. | 1.3 | 24 |
| 38 | A genome-wide association study implicates the BMP7 locus as a risk factor for nonsyndromic metopic craniosynostosis. <i>Human Genetics</i> , 2020, 139, 1077-1090. | 1.8 | 24 |
| 39 | Grafting and Early Expression of Growth Factors from Adipose-Derived Stem Cells Transplanted into the Cochlea, in a Guinea Pig Model of Acoustic Trauma. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 334. | 1.8 | 22 |
| 40 | In Vitro Validation of a Closed Device Enabling the Purification of the Fluid Portion of Liposuction Aspirates. <i>Plastic and Reconstructive Surgery</i> , 2016, 137, 1157-1167. | 0.7 | 20 |
| 41 | Early Transcriptional Events During Osteogenic Differentiation of Human Bone Marrow Stromal Cells Induced by Lim Mineralization Protein 3. <i>Gene Expression</i> , 2010, 15, 27-42. | 0.5 | 18 |
| 42 | Spinal Fusion in the Next Generation: Gene and Cell Therapy Approaches. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9. | 0.8 | 18 |
| 43 | GLI1 and AXIN2 Are Distinctive Markers of Human Calvarial Mesenchymal Stromal Cells in Nonsyndromic Craniosynostosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4356. | 1.8 | 18 |
| 44 | Challenges and Innovations in Osteochondral Regeneration: Insights from Biology and Inputs from Bioengineering toward the Optimization of Tissue Engineering Strategies. <i>Journal of Functional Biomaterials</i> , 2021, 12, 17. | 1.8 | 18 |
| 45 | Gain-of-function variants and overexpression of RUNX2 in patients with nonsyndromic midline craniosynostosis. <i>Bone</i> , 2020, 137, 115395. | 1.4 | 17 |
| 46 | Lim Mineralization Protein 3 Induces the Osteogenic Differentiation of Human Amniotic Fluid Stromal Cells through Kruppel-Like Factor-4 Downregulation and Further Bone-Specific Gene Expression. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11. | 3.0 | 16 |
| 47 | Osteogenic and Neurogenic Stem Cells in Their Own Place: Unraveling Differences and Similarities Between Niches. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 455. | 1.8 | 15 |
| 48 | Transcriptional Effects of S100B on Neuroblastoma Cells: Perturbation of Cholesterol Homeostasis and Interference on the Cell Cycle. <i>Gene Expression</i> , 2010, 14, 345-359. | 0.5 | 14 |
| 49 | Gene expression profiling in human craniosynostoses: a tool to investigate the molecular basis of suture ossification. <i>Child's Nervous System</i> , 2012, 28, 1295-1300. | 0.6 | 14 |
| 50 | Lipoaspirate fluid proteome: A preliminary investigation by LC-MS top-down/bottom-up integrated platform of a high potential biofluid in regenerative medicine. <i>Electrophoresis</i> , 2016, 37, 1015-1026. | 1.3 | 14 |
| 51 | An Acephalus Acardius Amorphous Fetus in a Monochorionic Pregnancy With Sex Discrepancy. <i>Twin Research and Human Genetics</i> , 2006, 9, 697-702. | 0.3 | 12 |
| 52 | BBS9 gene in nonsyndromic craniosynostosis: Role of the primary cilium in the aberrant ossification of the suture osteogenic niche. <i>Bone</i> , 2018, 112, 58-70. | 1.4 | 12 |
| 53 | Graphene Oxide Induced Osteogenesis Quantification by In-Situ 2D-Fluorescence Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3336. | 1.8 | 12 |
| 54 | Genome-Wide Gene Expression Profiling of Human Narcolepsy. <i>Gene Expression</i> , 2012, 15, 171-181. | 0.5 | 11 |

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|----|---|-----|-----------|
| 55 | Clinical Application of Adipose Derived Stem Cells for the Treatment of Aseptic Non-Unions: Current Stage and Future Perspectives”Systematic Review. International Journal of Molecular Sciences, 2022, 23, 3057. | 1.8 | 11 |
| 56 | Update on small intestinal stem cells. World Journal of Gastroenterology, 2013, 19, 4671. | 1.4 | 8 |
| 57 | Rising Roles of Small Noncoding RNAs in Cotranscriptional Regulation: In Silico Study of miRNA and piRNA Regulatory Network in Humans. Genes, 2020, 11, 482. | 1.0 | 8 |
| 58 | Graphene Oxide Nano-Concentrators Selectively Modulate RNA Trapping According to Metal Cations in Solution. Frontiers in Bioengineering and Biotechnology, 2020, 8, 421. | 2.0 | 8 |
| 59 | Basic and Preclinical Research for Personalized Medicine. Journal of Personalized Medicine, 2021, 11, 354. | 1.1 | 8 |
| 60 | Shaping modern human skull through epigenetic, transcriptional and post-transcriptional regulation of the RUNX2 master bone gene. Scientific Reports, 2021, 11, 21316. | 1.6 | 8 |
| 61 | Ciliary Signalling and Mechanotransduction in the Pathophysiology of Craniosynostosis. Genes, 2021, 12, 1073. | 1.0 | 7 |
| 62 | Personalized Bone Reconstruction and Regeneration in the Treatment of Craniosynostosis. Applied Sciences (Switzerland), 2021, 11, 2649. | 1.3 | 6 |
| 63 | Biosynthesis and physico-chemical characterization of high performing peptide hydrogels@graphene oxide composites. Colloids and Surfaces B: Biointerfaces, 2021, 207, 111989. | 2.5 | 6 |
| 64 | An acephalus acardius amorphous fetus in a monochorionic pregnancy with sex discrepancy. Twin Research and Human Genetics, 2006, 9, 697-702. | 0.3 | 6 |
| 65 | Genes and Molecular Pathways of the Osteogenic Process. , 0, , . | | 5 |
| 66 | Editorial: Crosstalk between the Osteogenic and Neurogenic Stem Cell Niches: How Far are They from Each Other?. Frontiers in Cellular Neuroscience, 2016, 9, 504. | 1.8 | 4 |
| 67 | Regenerative Strategy for Persistent Periprosthetic Leakage around Tracheoesophageal Puncture: Is It an Effective Long-Term Solution?. Cells, 2021, 10, 1695. | 1.8 | 4 |
| 68 | Targeted Sequencing of Candidate Regions Associated with Sagittal and Metopic Nonsyndromic Craniosynostosis. Genes, 2022, 13, 816. | 1.0 | 4 |
| 69 | Top-down proteomic characterization of DAOY medulloblastoma tumor cell line. EuPA Open Proteomics, 2016, 12, 13-21. | 2.5 | 3 |
| 70 | Bone Substitution in Spine Fusion: The Past, the Present, and the Future. , 2014, , 311-331. | | 3 |
| 71 | Gene Regulation Networks in Early Phase of Duchenne Muscular Dystrophy. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 393-400. | 1.9 | 2 |
| 72 | 338. Microarray Analysis of Genes Regulated during Induction of Osteogenesis by Human Lim Mineralization Protein-3 (LMP-3) in Human Mesenchymal Stem Cells. Molecular Therapy, 2006, 13, S128-S129. | 3.7 | 0 |

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|----|---|-----|-----------|
| 73 | 1093. Ex Vivo Gene Therapy Approach Using Human Lim Mineralization Protein_3 To Induce Bone Healing in a Rodent Model. <i>Molecular Therapy</i> , 2006, 13, S420. | 3.7 | 0 |
| 74 | Graphene Oxide Laser Printing for Controlled STEM Cells Differentiation and Antibacterial Effects. <i>Biophysical Journal</i> , 2018, 114, 362a-363a. | 0.2 | 0 |
| 75 | Craniosynostosis: Genetic Basis, Genes, Chromosomes, and Resulting Syndromes. , 2017, , 1-25. | | 0 |
| 76 | Craniosynostosis: Genetic Basis, Genes, Chromosomes, and Resulting Syndromes. , 2020, , 1373-1391. | | 0 |
| 77 | Mother and Daughter Carrying of the Same Pathogenic Variant in FGFR2 with Discordant Phenotype. <i>Genes</i> , 2022, 13, 1161. | 1.0 | 0 |