

# Sylvie Babajko

## List of Publications by Year in descending order

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67  
papers

2,431  
citations

279701

23  
h-index

206029

48  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2414  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Cytoplasmic foci are sites of mRNA decay in human cells. <i>Journal of Cell Biology</i> , 2004, 165, 31-40.  | 2.3 | 553       |
| 2  | Human Dcp2: a catalytically active mRNA decapping enzyme located in specific cytoplasmic structures. <i>EMBO Journal</i> , 2002, 21, 6915-6924.  | 3.5 | 398       |
| 3  | Liver-Specific Expression of Human Insulin-Like Growth Factor Binding Protein-1 in Transgenic Mice: Repercussions on Reproduction, Ante- and Perinatal Mortality and Postnatal Growth. <i>Endocrinology</i> , 1997, 138, 2937-2947.      | 1.4 | 119       |
| 4  | Enamel Defects Reflect Perinatal Exposure to Bisphenol A. <i>American Journal of Pathology</i> , 2013, 183, 108-118.   | 1.9 | 106       |
| 5  | Cap-tabolism™. <i>Trends in Biochemical Sciences</i> , 2004, 29, 436-444.  | 3.7 | 97        |
| 6  | Insulin-Like Growth Factor Binding Protein-6 Transgenic Mice: Postnatal Growth, Brain Development, and Reproduction Abnormalities. <i>Endocrinology</i> , 2004, 145, 2412-2420.  | 1.4 | 54        |
| 7  | Insulin-Like Growth Factor Binding Protein (IGFBP-1) Involvement in Intrauterine Growth Retardation: Study on IGFBP-1 Overexpressing Transgenic Mice. <i>Endocrinology</i> , 2006, 147, 4730-4737.                                       | 1.4 | 51        |
| 8  | Msx1 role in craniofacial bone morphogenesis. <i>Bone</i> , 2014, 66, 96-104.  | 1.4 | 46        |
| 9  | Role of Insulin-Like Growth Factor Binding Protein-2 and Its Limited Proteolysis in Neuroblastoma Cell Proliferation: Modulation by Transforming Growth Factor- $\beta$ 2 and Retinoic Acid*. <i>Endocrinology</i> , 1997, 138, 683-690. | 1.4 | 45        |
| 10 | Amelogenesis imperfecta in familial hypomagnesaemia and hypercalciuria with nephrocalcinosis caused by <i>CLDN19</i> gene mutations. <i>Journal of Medical Genetics</i> , 2017, 54, 26-37.   | 1.5 | 45        |
| 11 | IGFBP-2 expression in a human cell line is associated with increased IGFBP-3 proteolysis, decreased IGFBP-1 expression and increased tumorigenicity. , 1998, 77, 874-879.  |     | 39        |
| 12 | Liver-Specific Expression of Human Insulin-Like Growth Factor Binding Protein-1 in Transgenic Mice: Repercussions on Reproduction, Ante- and Perinatal Mortality and Postnatal Growth. , 0, .  |     | 37        |
| 13 | Expression of insulin-like growth factor-binding protein 6 complementary DNA alters neuroblastoma cell growth. <i>Cancer Research</i> , 1998, 58, 1670-6.  | 0.4 | 37        |
| 14 | IGF-binding protein-6 is involved in growth inhibition in SH-SY5Y human neuroblastoma cells: its production is both IGF- and cell density-dependent. <i>Journal of Endocrinology</i> , 1997, 152, 221-227.                               | 1.2 | 36        |
| 15 | Estrogen and Bisphenol A Affect Male Rat Enamel Formation and Promote Ameloblast Proliferation. <i>Endocrinology</i> , 2014, 155, 3365-3375.   | 1.4 | 36        |
| 16 | Modulation by retinoic acid of insulin-like growth factor (IGF) and IGF binding protein expression in human SK-N-SH neuroblastoma cells. <i>European Journal of Endocrinology</i> , 1996, 134, 474-480.                                  | 1.9 | 35        |
| 17 | Retinoic acid stimulates IGF binding protein (IGFBP)-6 and depresses IGFBP-2 and IGFBP-4 in SK-N-SH human neuroblastoma cells. <i>Journal of Endocrinology</i> , 1998, 159, 227-232.   | 1.2 | 35        |
| 18 | Expression of insulin-like growth factor binding protein-1 and -2 genes through the perinatal period in the rat.. <i>Endocrinology</i> , 1993, 132, 2586-2592.   | 1.4 | 33        |

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|----|---|-----|-----------|
| 19 | Liver-specific expression of human insulin-like growth factor binding protein 1: functional role of transcription factor HNF1 in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 272-276. | 3.3 | 33        |
| 20 | RANK/RANKL/OPG Signalization Implication in Periodontitis: New Evidence from a RANK Transgenic Mouse Model. Frontiers in Physiology, 2017, 8, 338.  | 1.3 | 33        |
| 21 | N-myc regulation of type I insulin-like growth factor receptor in a human neuroblastoma cell line. Cancer Research, 1999, 59, 2898-902.   | 0.4 | 33        |
| 22 | Chronic Exposure to Bisphenol A Exacerbates Dental Fluorosis in Growing Rats. Journal of Bone and Mineral Research, 2016, 31, 1955-1966.  | 3.1 | 31        |
| 23 | Insulin-like growth factor binding protein-6 inhibits neuroblastoma cell proliferation and tumour development. European Journal of Cancer, 2002, 38, 2058-2065.   | 1.3 | 28        |
| 24 | MSX2 in ameloblast cell fate and activity. Frontiers in Physiology, 2014, 5, 510.   | 1.3 | 28        |
| 25 | AUUUA Sequences Compromise Human Insulin-like Growth Factor Binding Protein-1 mRNA Stability. Biochemical and Biophysical Research Communications, 2000, 267, 509-515.  | 1.0 | 26        |
| 26 | The IGF system in neuroblastoma xenografts: focus on IGF-binding protein-6. Journal of Endocrinology, 2002, 172, 467-476.   | 1.2 | 24        |
| 27 | Msx1 Expression Regulation by Its Own Antisense RNA: Consequence on Tooth Development and Bone Regeneration. Cells Tissues Organs, 2009, 189, 115-121.  | 1.3 | 23        |
| 28 | Wnt/ $\beta$ -catenin signaling and Msx1 promote outgrowth of the maxillary prominences. Frontiers in Physiology, 2012, 3, 375.   | 1.3 | 22        |
| 29 | Androgen Receptor Involvement in Rat Amelogenesis: An Additional Way for Endocrine-Disrupting Chemicals to Affect Enamel Synthesis. Endocrinology, 2016, 157, 4287-4296.  | 1.4 | 22        |
| 30 | Regulatory and academic studies to derive reference values for human health: The case of bisphenol S. Environmental Research, 2022, 204, 112233.  | 3.7 | 22        |
| 31 | Dysregulation of energy homeostasis in mice overexpressing insulin-like growth factor-binding protein 6 in the brain. Diabetologia, 2005, 48, 1189-1197.  | 2.9 | 21        |
| 32 | Expression of Steroid Receptors in Ameloblasts during Amelogenesis in Rat Incisors. Frontiers in Physiology, 2016, 7, 503.  | 1.3 | 21        |
| 33 | Disruption of Steroid Axis, a New Paradigm for Molar Incisor Hypomineralization (MIH). Frontiers in Physiology, 2017, 8, 343.   | 1.3 | 21        |
| 34 | Asporin and the Mineralization Process in Fluoride-Treated Rats. Journal of Bone and Mineral Research, 2014, 29, 1446-1455.   | 3.1 | 20        |
| 35 | Enamel hypomineralization due to endocrine disruptors. Connective Tissue Research, 2014, 55, 43-47.   | 1.1 | 19        |
| 36 | The amino-terminal region of insulin-like growth factor binding protein-3, 1â€“95IGFBP-3, induces apoptosis of MCF-7 breast carcinoma cells. Biochemical and Biophysical Research Communications, 2002, 293, 55-60.                         | 1.0 | 17        |

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|----|--|-----|-----------|
| 37 | Autoregulatory loop of Msx1 expression involving its antisense transcripts. <i>Journal of Cellular Physiology</i> , 2009, 220, 303-310.  | 2.0 | 16        |
| 38 | Insulin-Like Growth Factor Binding Proteins Increase Intracellular Calcium Levels in Two Different Cell Lines. <i>PLoS ONE</i> , 2013, 8, e59323.  | 1.1 | 15        |
| 39 | Distorted Patterns of Dentinogenesis and Eruption in Msx2 Null Mutants. <i>American Journal of Pathology</i> , 2016, 186, 2577-2587.   | 1.9 | 15        |
| 40 | Interplay of the Liver-Enriched trans-Acting Factors, DBP and HNF1, in the Transactivation of Human IGFBP-1 Promoter. <i>Biochemical and Biophysical Research Communications</i> , 1993, 196, 480-486.                           | 1.0 | 14        |
| 41 | Disrupted Iron Storage in Dental Fluorosis. <i>Journal of Dental Research</i> , 2019, 98, 994-1001.  | 2.5 | 13        |
| 42 | Insulin-Like Growth Factor (IGF) Binding Proteins Modulate the Glucocorticoid-Dependent Biological Effects of IGF-II in Cultured Fetal Rat Hepatocytes*. <i>Endocrinology</i> , 1999, 140, 2232-2240.                            | 1.4 | 10        |
| 43 | Multi-hormonal regulation of IGFBP-6 expression in human neuroblastoma cells. <i>Growth Hormone and IGF Research</i> , 2000, 10, 349-359.  | 0.5 | 10        |
| 44 | Expression of insulin-like growth factor binding protein-1 and -2 genes through the perinatal period in the rat. <i>Endocrinology</i> , 1993, 132, 2586-2592.  | 1.4 | 10        |
| 45 | Transcriptional Regulation of Msx1 Natural Antisense Transcript. <i>Cells Tissues Organs</i> , 2011, 194, 151-155.   | 1.3 | 9         |
| 46 | Respective role of membrane and nuclear estrogen receptor (ER) $\alpha$ and $\beta$ in the mandible of growing mice: Implications for ER $\alpha$ modulation. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1520-1531. | 3.1 | 9         |
| 47 | The Role of GH/IGF Axis in Dento-Alveolar Complex from Development to Aging and Therapeutics: A Narrative Review. <i>Cells</i> , 2021, 10, 1181.   | 1.8 | 9         |
| 48 | Regulation of Calbindin-D <sub>28k</sub> Expression by Msx2 in the Dental Epithelium. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 603-610.  | 1.3 | 8         |
| 49 | Micro-dissection of Enamel Organ from Mandibular Incisor of Rats Exposed to Environmental Toxicants. <i>Journal of Visualized Experiments</i> , 2018, , .  | 0.2 | 7         |
| 50 | Protein Kinase D1 (PKD1) Is a New Functional Non-Genomic Target of Bisphenol A in Breast Cancer Cells. <i>Frontiers in Pharmacology</i> , 2019, 10, 1683.  | 1.6 | 6         |
| 51 | Origins of Alterations to Rankl Null Mutant Mouse Dental Root Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2201.  | 1.8 | 4         |
| 52 | Use of Dental Defects Associated with Low-Dose di(2-Ethylhexyl)Phthalate as an Early Marker of Exposure to Environmental Toxicants. <i>Environmental Health Perspectives</i> , 2022, 130, .                                      | 2.8 | 4         |
| 53 | Primary Retention of Molars and RANKL Signaling Alteration during Craniofacial Growth. <i>Journal of Clinical Medicine</i> , 2020, 9, 898.   | 1.0 | 3         |
| 54 | IGFBPs are involved in xenograft development in nude mice. <i>Medical and Pediatric Oncology</i> , 2001, 36, 154-156.  | 1.0 | 2         |

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|----|--|-----|-----------|
| 55 | Interactions between liver nuclear proteins and the human insulin-like growth factor binding protein 1 promoter in the course of development. <i>European Journal of Endocrinology</i> , 1995, 132, 635-641. | 1.9 | 1         |
| 56 | Insulin-Like Growth Factor (IGF) Binding Proteins Modulate the Glucocorticoid-Dependent Biological Effects of IGF-II in Cultured Fetal Rat Hepatocytes. <i>Endocrinology</i> , 1999, 140, 2232-2240.         | 1.4 | 1         |
| 57 | Les taches de l'Ã©mail : quoi de neuf?. <i>Revue D'orthopedie Dento-faciale</i> , 2013, 47, 295-300.   | 0.0 | 1         |
| 58 | Spots on tooth enamel: what's new?. <i>Journal of Dentofacial Anomalies and Orthodontics</i> , 2013, 16, 404.  | 0.0 | 0         |
| 59 | Editorial: Tooth Enamel: Frontiers in Mineral Chemistry and Biochemistry, Integrative Cell Biology and Genetics. <i>Frontiers in Physiology</i> , 2018, 9, 1153.   | 1.3 | 0         |
| 60 | Enamel Matrix Biomineralization: The Role of pH Cycling. <i>Biology of Extracellular Matrix</i> , 2021, , 271-293.   | 0.3 | 0         |
| 61 | Environmental Factors and Enamel/Dentin Defects. <i>Biology of Extracellular Matrix</i> , 2021, , 295-305.   | 0.3 | 0         |
| 62 | Hypomineralized teeth as biomarkers of exposure to endocrine disruptors. <i>Endocrine Abstracts</i> , 0, , .   | 0.0 | 0         |
| 63 | Estrogen and bisphenol A affect enamel formation by different signaling pathways. <i>Endocrine Abstracts</i> , 0, , .  | 0.0 | 0         |
| 64 | Bisphenol A affects amelogenesis by modulating enamel key genes expression. <i>Endocrine Abstracts</i> , 0, , .  | 0.0 | 0         |
| 65 | Systemic enamel pathologies may be due to anti-androgenic effects of some endocrine disruptors. <i>Endocrine Abstracts</i> , 0, , .  | 0.0 | 0         |
| 66 | Steroid receptors involvement in enamel hypomineralization resulting from exposure to low-dose DEHP and bisphenol A. <i>Endocrine Abstracts</i> , 0, , .   | 0.0 | 0         |
| 67 | Disruption of amelogenesis by Adult Exposure to Di(2-ethylhexyl) Phthalate in Mice. <i>Endocrine Abstracts</i> , 0, , .  | 0.0 | 0         |