Lourdes Ibaez

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/4817155/lourdes-ibanez-publications-by-year.pdf

Version: 2024-04-10

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.

235	10,343	59	93
papers	citations	h-index	g-index
244	11,565 ext. citations	4.9	6.31
ext. papers		avg, IF	L-index

#	Paper	IF	Citations
235	Bone Morphogenetic Protein-8B Levels at Birth and in the First Year of Life: Relation to Metabolic-Endocrine Variables and Brown Adipose Tissue Activity <i>Frontiers in Pediatrics</i> , 2022 , 10, 869	5 81	O
234	Toward Adolescent Prevention of Adult Anovulation in Polycystic Ovary Syndrome. <i>ISGE Series</i> , 2021 , 25-31	0.2	
233	Posterior Cervical Brown Fat and CXCL14 levels in the First Year of Life: Sex Differences and Association with Adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 ,	5.6	1
232	The relative deficit of GDF15 in adolescent girls with PCOS can be changed into an abundance that reduces liver fat. <i>Scientific Reports</i> , 2021 , 11, 7018	4.9	2
231	Catch-up growth in juvenile rats, fat expansion, and dysregulation of visceral adipose tissue. <i>Pediatric Research</i> , 2021 ,	3.2	2
230	Circulating diazepam-binding inhibitor in infancy: Relation to markers of adiposity and metabolic health. <i>Pediatric Obesity</i> , 2021 , 16, e12802	4.6	
229	From adolescent PCOS to adult MAFLD: opposing effects of randomised interventions. <i>BMJ Open Gastroenterology</i> , 2021 , 8,	3.9	1
228	Fatty acids in the placenta of appropiate- versus small-for-gestational-age infants at term birth. <i>Placenta</i> , 2021 , 109, 4-10	3.4	1
227	On the rising incidence of early breast development: puberty as an adaptive escape from ectopic adiposity in mismatch girls. <i>European Journal of Endocrinology</i> , 2021 , 185, L1-L2	6.5	1
226	Gut microbiota in adolescent girls with polycystic ovary syndrome: Effects of randomized treatments. <i>Pediatric Obesity</i> , 2021 , 16, e12734	4.6	3
225	Letter to the Editor: Tackling NAFLD in Adolescent Polycystic Ovary Syndrome: Reducing Liver Fat to Mimic Weight Loss. <i>Hepatology</i> , 2021 , 73, 1623-1624	11.2	2
224	Development of a sensitive analytical method for the simultaneous analysis of Benzophenone-type UV filters and paraben preservatives in umbilical cord blood. <i>MethodsX</i> , 2021 , 8, 101307	1.9	1
223	A 24-month metformin treatment study of children with obesity: Changes in circulating GDF-15 and associations with changes in body weight and visceral fat. <i>Pediatric Obesity</i> , 2021 , e12845	4.6	1
222	Longitudinal association of the anti-inflammatory serum marker GDF-15 with serum IgA and IgG in apparently healthy children. <i>Scientific Reports</i> , 2021 , 11, 18215	4.9	О
221	Effects of Subsp. (BPL1) Supplementation in Children and Adolescents with Prader-Willi Syndrome: A Randomized Crossover Trial. <i>Nutrients</i> , 2020 , 12,	6.7	5
220	Circulating IGF-1 Independently Predicts Blood Pressure in Children With Higher Calcium-Phosphorus Product Levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	2
219	Specific Dietary Components and Gut Microbiota Composition are Associated with Obesity in Children and Adolescents with Prader-Willi Syndrome. <i>Nutrients</i> , 2020 , 12,	6.7	8

218	Toward a Treatment Normalizing Ovulation Rate in Adolescent Girls With Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , 2020 , 4, bvaa032	0.4	8	
217	MON-029 Polycystic Ovary Syndrome (PCOS) in Adolescent Girls:Toward a Simple On-Treatment Predictor of Post-Treatment Ovulation Rate. <i>Journal of the Endocrine Society</i> , 2020 , 4,	0.4	78	
216	Circulating growth-and-differentiation factor-15 in early life: relation to prenatal and postnatal growth and adiposity measurements. <i>Pediatric Research</i> , 2020 , 87, 897-902	3.2	8	
215	Polycystic ovary syndrome in adolescent girls. <i>Pediatric Obesity</i> , 2020 , 15, e12586	4.6	14	
214	Low Circulating Levels of miR-451a in Girls with Polycystic Ovary Syndrome: Different Effects of Randomized Treatments. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	10	
213	Differential DNA methylation profile in infants born small-for-gestational-age: association with markers of adiposity and insulin resistance from birth to age 24 months. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	5	
212	Methylation of the C19MC microRNA locus in the placenta: association with maternal and chilhood body size. <i>International Journal of Obesity</i> , 2020 , 44, 13-22	5.5	7	
211	Reduced circulating levels of chemokine CXCL14 in adolescent girls with polycystic ovary syndrome: normalization after insulin sensitization. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	9	
210	Umbilical Cord miRNAs in Small-for-Gestational-Age Children and Association With Catch-Up Growth: A Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 5285-5298	5.6	14	
209	Towards a circulating marker of hepato-visceral fat excess: S100A4 in adolescent girls with polycystic ovary syndrome - Evidence from randomized clinical trials. <i>Pediatric Obesity</i> , 2019 , 14, e1250	04.6	6	
208	Dlk1 expression relates to visceral fat expansion and insulin resistance in male and female rats with postnatal catch-up growth. <i>Pediatric Research</i> , 2019 , 86, 195-201	3.2	2	
207	Renal size and cardiovascular risk in prepubertal children. <i>Scientific Reports</i> , 2019 , 9, 5265	4.9	4	
206	Towards a simple marker of hepato-visceral adiposity and insulin resistance: The Z-score change from weight-at-birth to BMI-in-childhood. <i>Pediatric Obesity</i> , 2019 , 14, e12533	4.6	5	
205	GHD Diagnostics in Europe and the US: An Audit of National Guidelines and Practice. <i>Hormone Research in Paediatrics</i> , 2019 , 92, 150-156	3.3	17	
204	OR25-3 Toward a Circulating Marker of Hepato-Visceral Fat Excess: S100A4 in Adolescent Girls with Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , 2019 , 3,	0.4	78	
203	Exploring the use of metformin in pregnant women with polycystic ovary syndrome: new evidence, new wisdom. <i>Lancet Diabetes and Endocrinology,the</i> , 2019 , 7, 242-243	18.1	1	
202	Effects of metformin administration on endocrine-metabolic parameters, visceral adiposity and cardiovascular risk factors in children with obesity and risk markers for metabolic syndrome: A pilot study. <i>PLoS ONE</i> , 2019 , 14, e0226303	3.7	10	
201	Brown adipose tissue in prepubertal children: associations with sex, birthweight, and metabolic profile. <i>International Journal of Obesity</i> , 2019 , 43, 384-391	5.5	11	

200	Gain-of-function DNMT3A mutations cause microcephalic dwarfism and hypermethylation of Polycomb-regulated regions. <i>Nature Genetics</i> , 2019 , 51, 96-105	36.3	60
199	Low-Dose Spironolactone-Pioglitazone-Metformin Normalizes Circulating Fetuin-A Concentrations in Adolescent Girls with Polycystic Ovary Syndrome. <i>International Journal of Endocrinology</i> , 2018 , 2018, 4192940	2.7	4
198	Metformin for Rapidly Maturing Girls with Central Adiposity: Less Liver Fat and Slower Bone Maturation. <i>Hormone Research in Paediatrics</i> , 2018 , 89, 136-140	3.3	11
197	Body Composition and Circulating Polyunsaturated Fatty Acids at Age 6 Years: A Longitudinal Pilot Study. <i>Hormone Research in Paediatrics</i> , 2018 , 90, 414-418	3.3	
196	Nerve Growth Factor Levels in Term Human Infants: Relationship to Prenatal Growth and Early Postnatal Feeding. <i>International Journal of Endocrinology</i> , 2018 , 2018, 7562702	2.7	4
195	Serum alkaline phosphatase relates to cardiovascular risk markers in children with high calcium-phosphorus product. <i>Scientific Reports</i> , 2018 , 8, 17864	4.9	2
194	Central Obesity, Faster Maturation, and TPCOSTin Girls. <i>Trends in Endocrinology and Metabolism</i> , 2018 , 29, 815-818	8.8	33
193	Pediatric endocrinology: an overview of the last decade. <i>Hormones</i> , 2018 , 17, 439-449	3.1	1
192	Circulating sex hormone binding globulin: An integrating biomarker for an adverse cardio-metabolic profile in obese pregnant women. <i>PLoS ONE</i> , 2018 , 13, e0205592	3.7	8
191	Serum 25-hydroxyvitamin D and cardiovascular disease risk factors in women with excessive weight gain during pregnancy and in their offspring at age 5-6 years. <i>International Journal of Obesity</i> , 2018 , 42, 1019-1028	5.5	1
190	The placental imprinted DLK1-DIO3 domain: a new link to prenatal and postnatal growth in humans. <i>American Journal of Obstetrics and Gynecology</i> , 2017 , 217, 350.e1-350.e13	6.4	18
189	Differences in dietary and lifestyle habits between pregnant women with small fetuses and appropriate-for-gestational-age fetuses. <i>Journal of Obstetrics and Gynaecology Research</i> , 2017 , 43, 1145	-T7951	11
188	Dysregulation of Placental miRNA in Maternal Obesity Is Associated With Pre- and Postnatal Growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2584-2594	5.6	45
187	Placental and Cord Blood Methylation of Genes Involved in Energy Homeostasis: Association With Fetal Growth and Neonatal Body Composition. <i>Diabetes</i> , 2017 , 66, 779-784	0.9	47
186	Normalizing Ovulation Rate by Preferential Reduction of Hepato-Visceral Fat in Adolescent Girls With Polycystic Ovary Syndrome. <i>Journal of Adolescent Health</i> , 2017 , 61, 446-453	5.8	24
185	Reduced Prenatal Weight Gain and/or Augmented Postnatal Weight Gain Precedes Polycystic Ovary Syndrome in Adolescent Girls. <i>Obesity</i> , 2017 , 25, 1486-1489	8	26
184	An International Consortium Update: Pathophysiology, Diagnosis, and Treatment of Polycystic Ovarian Syndrome in Adolescence. <i>Hormone Research in Paediatrics</i> , 2017 , 88, 371-395	3.3	166
183	Circulating Fatty Acid Synthase in pregnant women: Relationship to blood pressure, maternal metabolism and newborn parameters. <i>Scientific Reports</i> , 2016 , 6, 24167	4.9	7

182	Soluble CRTC3: A Newly Identified Protein Released by Adipose Tissue That Is Associated with Childhood Obesity. <i>Clinical Chemistry</i> , 2016 , 62, 476-84	5.5	9	
181	Determination of parabens and benzophenone-type UV filters in human placenta. First description of the existence of benzyl paraben and benzophenone-4. <i>Environment International</i> , 2016 , 88, 243-249	12.9	83	
180	Effects of ethinylestradiol-cyproterone acetate vs. pioglitazone-flutamide-metformin on plasma FGF21 levels in adolescent girls with androgen excess. <i>Diabetes and Metabolism</i> , 2016 , 42, 196-9	5.4	2	
179	eRah: A Computational Tool Integrating Spectral Deconvolution and Alignment with Quantification and Identification of Metabolites in GC/MS-Based Metabolomics. <i>Analytical Chemistry</i> , 2016 , 88, 9821-9	87: ⁸	68	
178	Large for Gestational Age Newborns from Mothers Without Diabetes Mellitus Tend to Become Tall and Lean Toddlers. <i>Journal of Pediatrics</i> , 2016 , 178, 278-280	3.6	5	
177	The Diagnosis of Polycystic Ovary Syndrome during Adolescence. <i>Hormone Research in Paediatrics</i> , 2015 ,	3.3	161	
176	Association Between Long Telomere Length and Insulin Sensitization in Adolescent Girls With Hyperinsulinemic Androgen Excess. <i>JAMA Pediatrics</i> , 2015 , 169, 787-8	8.3	6	
175	Altered Circulating miRNA Expression Profile in Pregestational and Gestational Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, E1446-56	5.6	68	
174	Metformin treatment to reduce central adiposity after prenatal growth restraint: a placebo-controlled pilot study in prepubertal children. <i>Pediatric Diabetes</i> , 2015 , 16, 538-45	3.6	16	
173	Metabolomics reveals impaired maturation of HDL particles in adolescents with hyperinsulinaemic androgen excess. <i>Scientific Reports</i> , 2015 , 5, 11496	4.9	10	
172	Neutrophil-to-lymphocyte ratio: an inflammation marker related to cardiovascular risk in children. <i>Thrombosis and Haemostasis</i> , 2015 , 114, 727-34	7	14	
171	Relationship between Foetal Growth Restriction and Maternal Nutrition Status Measured by Dual-Energy X-Ray Absorptiometry, Leptin, and Insulin-Like Growth Factor. <i>Gynecologic and Obstetric Investigation</i> , 2015 , 80, 54-9	2.5	6	
170	Circulating FGF19 and FGF21 surge in early infancy from infra- to supra-adult concentrations. <i>International Journal of Obesity</i> , 2015 , 39, 742-6	5.5	23	
169	Balanced duo of anti-inflammatory SFRP5 and proinflammatory WNT5A in children. <i>Pediatric Research</i> , 2014 , 75, 793-7	3.2	13	
168	Hyperinsulinaemic androgen excess in adolescent girls. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 499-50	815.2	33	
167	Undercarboxylated osteocalcin relates to cardiovascular risk markers in offspring of families with metabolic syndrome. <i>Atherosclerosis</i> , 2014 , 233, 272-7	3.1	19	
166	Placental sprouty 2 (SPRY2): relation to placental growth and maternal metabolic status. <i>Neonatology</i> , 2014 , 106, 120-5	4	1	
165	Less myostatin and more lean mass in large-born infants from nondiabetic mothers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E2367-71	5.6	7	

164	Mitochondrial DNA in placenta: associations with fetal growth and superoxide dismutase activity. Hormone Research in Paediatrics, 2014 , 82, 303-9	3.3	18
163	Associations between genetic obesity susceptibility and early postnatal fat and lean mass: an individual participant meta-analysis. <i>JAMA Pediatrics</i> , 2014 , 168, 1122-30	8.3	36
162	Pituitary dysfunction after traumatic brain injury in children: is there a need for ongoing endocrine assessment?. <i>Clinical Endocrinology</i> , 2013 , 79, 853-8	3.4	21
161	A common gene variant in STK11 is associated with metabolic risk markers and diabetes during gestation. <i>Fertility and Sterility</i> , 2013 , 100, 788-92	4.8	6
160	Decreased placental expression of pre-adipocyte factor-1 in children born small-for-gestational-age: association to early postnatal weight gain. <i>Placenta</i> , 2013 , 34, 331-4	3.4	12
159	Variations in the obesity genes FTO, TMEM18 and NRXN3 influence the vulnerability of children to weight gain induced by short sleep duration. <i>International Journal of Obesity</i> , 2013 , 37, 182-7	5.5	29
158	Oral contraception vs insulin sensitization for 18 months in nonobese adolescents with androgen excess: posttreatment differences in C-reactive protein, intima-media thickness, visceral adiposity, insulin sensitivity, and menstrual regularity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 ,	5.6	30
157	Breast-feeding vs formula-feeding for infants born small-for-gestational-age: divergent effects on fat mass and on circulating IGF-I and high-molecular-weight adiponectin in late infancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 1242-7	5.6	33
156	Carotid intima-media thickness at 7 years of age: relationship to C-reactive protein rather than adiposity. <i>Journal of Pediatrics</i> , 2012 , 160, 276-280.e1	3.6	12
155	Relative hypoadiponectinemia, insulin resistance, and increased visceral fat in euthyroid prepubertal girls with low-normal serum free thyroxine. <i>Obesity</i> , 2012 , 20, 1455-61	8	13
154	IGF2/H19 hypomethylation in a patient with very low birthweight, preocious pubarche and insulin resistance. <i>BMC Medical Genetics</i> , 2012 , 13, 42	2.1	22
153	On the potential of metformin to prevent preterm delivery in women with polycystic ovary syndrome - an epi-analysis. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2012 , 91, 1460-4	3.8	24
152	Placental expression of peroxisome proliferator-activated receptor [PPAR] relation to placental and fetal growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E1468-72	5.6	33
151	Soluble fatty acid synthase relates to bone biomarkers in prepubertal children. <i>Osteoporosis International</i> , 2012 , 23, 2053-8	5.3	3
150	Body composition and circulating high-molecular-weight adiponectin and IGF-I in infants born small for gestational age: breast- versus formula-feeding. <i>Diabetes</i> , 2012 , 61, 1969-73	0.9	46
149	Ethinyl estradiol-cyproterone acetate versus low-dose pioglitazone-flutamide-metformin for adolescent girls with androgen excess: divergent effects on CD163, TWEAK receptor, ANGPTL4, and LEPTIN expression in subcutaneous adipose tissue. <i>Journal of Clinical Endocrinology and</i>	5.6	14
148	Abundance of circulating preadipocyte factor 1 in early life. <i>Diabetes Care</i> , 2012 , 35, 848-9	14.6	26
147	Triple A syndrome in a patient with genetic growth hormone insensitivity: phenotypic effects of two genetic disorders. <i>Hormone Research in Paediatrics</i> , 2012 , 77, 63-8	3.3	7

146	Fatty acid-binding protein-4 plasma levels are associated to metabolic abnormalities and response to therapy in girls and young women with androgen excess. <i>Gynecological Endocrinology</i> , 2011 , 27, 935	-9 ^{2.4}	9	
145	Pharmacokinetics of metformin in girls aged 9 years. <i>Clinical Pharmacokinetics</i> , 2011 , 50, 735-8	6.2	9	
144	Early metformin therapy to delay menarche and augment height in girls with precocious pubarche. <i>Fertility and Sterility</i> , 2011 , 95, 727-30	4.8	45	
143	Catch-up growth in girls born small for gestational age precedes childhood progression to high adiposity. <i>Fertility and Sterility</i> , 2011 , 96, 220-3	4.8	46	
142	Responsiveness to metformin in girls with androgen excess: collective influence of genetic polymorphisms. <i>Fertility and Sterility</i> , 2011 , 96, 208-213.e2	4.8	8	
141	Flutamide for androgen excess: low dose is best. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2011 , 24, e43-4	2	2	
140	Toward an early marker of metabolic dysfunction: omentin-1 in prepubertal children. <i>Obesity</i> , 2011 , 19, 1905-7	8	23	
139	Metabolomics reveals reduction of metabolic oxidation in women with polycystic ovary syndrome after pioglitazone-flutamide-metformin polytherapy. <i>PLoS ONE</i> , 2011 , 6, e29052	3.7	34	
138	Early Metformin Therapy to Delay Menarche and Augment Height in Girls With Precocious Pubarche. <i>Obstetrical and Gynecological Survey</i> , 2011 , 66, 350-351	2.4		
137	Divergent effects of ethinylestradiol-drospirenone and flutamide-metformin on follistatin in adolescents and women with hyperinsulinemic androgen excess. <i>Gynecological Endocrinology</i> , 2011 , 27, 197-8	2.4	3	
136	Early metformin therapy (age 8-12 years) in girls with precocious pubarche to reduce hirsutism, androgen excess, and oligomenorrhea in adolescence. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E1262-7	5.6	86	
135	Lower free thyroxin associates with a less favorable metabolic phenotype in healthy pregnant women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 3717-23	5.6	51	
134	Metabolic impact of growth hormone treatment in short children born small for gestational age. <i>Hormone Research in Paediatrics</i> , 2011 , 76, 254-61	3.3	18	
133	Endocrinology and gynecology of girls and women with low birth weight. <i>Fetal Diagnosis and Therapy</i> , 2011 , 30, 243-9	2.4	35	
132	Association of p.His38Leu, a rare CYP21A2 mutation, with the classical simple virilizing phenotype of 21-hydroxylase deficiency in a 6-year-old boy. <i>Hormone Research in Paediatrics</i> , 2011 , 76, 214-7	3.3	1	
131	AStream: an R package for annotating LC/MS metabolomic data. <i>Bioinformatics</i> , 2011 , 27, 1339-40	7.2	41	
130	Treatment of androgen excess in adolescent girls: ethinylestradiol-cyproteroneacetate versus low-dose pioglitazone-flutamide-metformin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 3361-6	5.6	22	
129	Placental FTO expression relates to fetal growth. <i>International Journal of Obesity</i> , 2010 , 34, 1365-70	5.5	22	

128	A single nucleotide polymorphism in STK11 influences insulin sensitivity and metformin efficacy in hyperinsulinemic girls with androgen excess. <i>Diabetes Care</i> , 2010 , 33, 1544-8	14.6	23
127	Carboxylation of osteocalcin affects its association with metabolic parameters in healthy children. <i>Diabetes Care</i> , 2010 , 33, 661-3	14.6	50
126	Physiological concentrations of serum cortisol are related to vascular risk markers in prepubertal children. <i>Pediatric Research</i> , 2010 , 68, 452-5	3.2	6
125	Growth hormone therapy in short children born small for gestational age: effects on abdominal fat partitioning and circulating follistatin and high-molecular-weight adiponectin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 2234-9	5.6	22
124	Association between a common variant near MC4R and change in body mass index develops by two weeks of age. <i>Hormone Research in Paediatrics</i> , 2010 , 73, 275-80	3.3	13
123	Efficacy of metformin therapy in adolescent girls with androgen excess: relation to sex hormone-binding globulin and androgen receptor polymorphisms. <i>Fertility and Sterility</i> , 2010 , 94, 2800-	3 ^{1;8} 1	10
122	Low-dose pioglitazone, flutamide, metformin plus an estro-progestagen for non-obese young women with polycystic ovary syndrome: increasing efficacy and persistent safety over 30 months. <i>Gynecological Endocrinology</i> , 2010 , 26, 869-73	2.4	15
121	Low body adiposity and high leptinemia in breast-fed infants born small-for-gestational-age. <i>Journal of Pediatrics</i> , 2010 , 156, 145-7	3.6	21
120	Pubertal metformin therapy to reduce total, visceral, and hepatic adiposity. <i>Journal of Pediatrics</i> , 2010 , 156, 98-102.e1	3.6	31
119	European multicentre study in children born small for gestational age with persistent short stature: comparison of continuous and discontinuous growth hormone treatment regimens. <i>Hormone Research in Paediatrics</i> , 2009 , 71, 52-9	3.3	6
118	Low-birth weight children develop lower sex hormone binding globulin and higher dehydroepiandrosterone sulfate levels and aggravate their visceral adiposity and hypoadiponectinemia between six and eight years of age. <i>Journal of Clinical Endocrinology and</i>	5.6	58
117	Metabolism, 2009, 94, 3696-9 Abdominal fat partitioning and high-molecular-weight adiponectin in short children born small for gestational age. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 1049-52	5.6	38
116	High-molecular-weight adiponectin in children born small- or appropriate-for-gestational-age. <i>Journal of Pediatrics</i> , 2009 , 155, 740-2	3.6	17
115	Clinical spectrum of premature pubarche: links to metabolic syndrome and ovarian hyperandrogenism. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2009 , 10, 63-76	10.5	74
114	Low-dose pioglitazone and low-dose flutamide added to metformin and oestro-progestagens for hyperinsulinaemic women with androgen excess: add-on benefits disclosed by a randomized double-placebo study over 24 months. <i>Clinical Endocrinology</i> , 2009 , 71, 351-7	3.4	21
113	Adipose tissue expandability and the early origins of PCOS. <i>Trends in Endocrinology and Metabolism</i> , 2009 , 20, 418-23	8.8	72
112	Hirsutismo y trastornos menstruales en la adolescencia. <i>Anales De Pediatria Continuada</i> , 2009 , 7, 144-15	1	
111	Cord serum visfatin at term birth: maternal smoking unmasks the relation to foetal growth. <i>Clinical Endocrinology</i> , 2008 , 68, 77-81	3.4	13

(2006-2008)

110	The nuclear receptor coactivator AIB3 is a modulator of HOMA beta-cell function in nondiabetic children. <i>Clinical Endocrinology</i> , 2008 , 69, 730-6	3.4	1
109	Pubertal adiposity after fetal growth restraint: toward a calorie restriction mimetic approach. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57, 672-5	12.7	4
108	Evaluation and treatment of hirsutism in premenopausal women: an endocrine society clinical practice guideline. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1105-20	5.6	263
107	Early development of visceral fat excess after spontaneous catch-up growth in children with low birth weight. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 925-8	5.6	117
106	Gender specificity of body adiposity and circulating adiponectin, visfatin, insulin, and insulin growth factor-I at term birth: relation to prenatal growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 2774-8	5.6	81
105	Polycystic ovaries in nonobese adolescents and young women with ovarian androgen excess: relation to prenatal growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 196-9	5.6	32
104	Visceral adiposity without overweight in children born small for gestational age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 2079-83	5.6	123
103	Metformin treatment for four years to reduce total and visceral fat in low birth weight girls with precocious pubarche. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1841-5	5.6	60
102	Prenatal programming of renal function: the estimated glomerular filtration rate is influenced by size at birth in apparently healthy children. <i>Pediatric Research</i> , 2008 , 64, 97-9	3.2	20
101	The association between the FTO gene and fat mass in humans develops by the postnatal age of two weeks. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1501-5	5.6	100
100	Pioglitazone (7.5 mg/day) added to flutamide-metformin in women with androgen excess: additional increments of visfatin and high molecular weight adiponectin. <i>Clinical Endocrinology</i> , 2008 , 68, 317-20	3.4	20
99	Insulin resistance after precocious pubarche: relation to PAI-1-675 4G/5G polymorphism, and opposing influences of prenatal and postnatal weight gain. <i>Clinical Endocrinology</i> , 2007 , 67, 493-9	3.4	3
98	Persisting benefits 12-18 months after discontinuation of pubertal metformin therapy in low birthweight girls. <i>Clinical Endocrinology</i> , 2007 , 67, 468-71	3.4	15
97	Combined low-dose pioglitazone, flutamide, and metformin for women with androgen excess. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 1710-4	5.6	44
96	Improvement in growth after two years of growth hormone therapy in very young children born small for gestational age and without spontaneous catch-up growth: results of a multicenter, controlled, randomized, open clinical trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 ,	5.6	29
95	Flutamide metformin for post-menarcheal girls with preclinical ovarian androgen excess: evidence for differential response by androgen receptor genotype. <i>European Journal of Endocrinology</i> , 2007 , 157, 661-8	6.5	12
94	Lack of association between common polymorphisms in the 17beta-hydroxysteroid dehydrogenase type V gene (HSD17B5) and precocious pubarche. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 105, 176-80	5.1	15
93	Cerebral folate deficiency and leukoencephalopathy caused by a mitochondrial DNA deletion. <i>Annals of Neurology</i> , 2006 , 59, 394-8	9.4	105

92	Discontinuous low-dose flutamide-metformin plus an oral or a transdermal contraceptive in patients with hyperinsulinaemic hyperandrogenism: normalizing effects on CRP, TNF-alpha and the neutrophil/lymphocyte ratio. <i>Human Reproduction</i> , 2006 , 21, 451-6	5.7	26
91	Early development of adiposity and insulin resistance after catch-up weight gain in small-for-gestational-age children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 2153-8	5.6	406
90	Metformin therapy during puberty delays menarche, prolongs pubertal growth, and augments adult height: a randomized study in low-birth-weight girls with early-normal onset of puberty. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 2068-73	5.6	95
89	Early puberty-menarche after precocious pubarche: relation to prenatal growth. <i>Pediatrics</i> , 2006 , 117, 117-21	7.4	145
88	Metformin treatment to prevent early puberty in girls with precocious pubarche. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 2888-91	5.6	96
87	Low-dose flutamide-metformin therapy for hyperinsulinemic hyperandrogenism in non-obese adolescents and women. <i>Human Reproduction Update</i> , 2006 , 12, 243-52	15.8	79
86	Effects of growth hormone treatment on neutrophil count in children born small for gestational age. <i>Pediatrics</i> , 2006 , 117, 1868-9	7.4	4
85	Low-dose flutamide-metformin therapy for hyperinsulinemic hyperandrogenism in nonobese adolescents and women. <i>Fertility and Sterility</i> , 2006 , 86 Suppl 1, S24-5	4.8	7
84	Prenatal growth restraint followed by catch-up of weight: a hyperinsulinemic pathway to polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2006 , 86 Suppl 1, S4-5	4.8	44
83	Puberty and prenatal growth. <i>Molecular and Cellular Endocrinology</i> , 2006 , 254-255, 22-5	4.4	48
82	Associations between common variation in the aromatase gene promoter region and testosterone concentrations in two young female populations. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2006 , 98, 199-206	5.1	16
81	The tumour necrosis factor (TNF)-alpha-308GA promoter polymorphism is related to prenatal growth and postnatal insulin resistance. <i>Clinical Endocrinology</i> , 2006 , 64, 129-35	3.4	12
80	Absence of hepatotoxicity after long-term, low-dose flutamide in hyperandrogenic girls and young women. <i>Human Reproduction</i> , 2005 , 20, 1833-6	5.7	50
79	Neutrophil count in small-for-gestational age children: contrasting effects of metformin and growth hormone therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 3435-9	5.6	42
78	High neutrophil count in girls and women with hyperinsulinaemic hyperandrogenism: normalization with metformin and flutamide overcomes the aggravation by oral contraception. <i>Human Reproduction</i> , 2005 , 20, 2457-62	5.7	62
77	Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of metformin at the start and after more than one year of therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 39-43	5.6	51
76	Hyperandrogenism and excess weight gain. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2005 , 18 Suppl 1, 1199-205	1.6	2
75	Absent or delayed adrenarche in Pit-1/POU1F1 deficiency. <i>Hormone Research in Paediatrics</i> , 2005 , 64, 175-9	3.3	18

(2002-2005)

74	Association of aromatase (CYP 19) gene variation with features of hyperandrogenism in two populations of young women. <i>Human Reproduction</i> , 2005 , 20, 1837-43	5.7	90
73	Insulin sensitization for girls with precocious pubarche and with risk for polycystic ovary syndrome: effects of prepubertal initiation and postpubertal discontinuation of metformin treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 4331-7	5.6	99
72	Flutamide-metformin plus ethinylestradiol-drospirenone for lipolysis and antiatherogenesis in young women with ovarian hyperandrogenism: the key role of early, low-dose flutamide. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 4716-20	5.6	51
71	Opposing influences of prenatal and postnatal weight gain on adrenarche in normal boys and girls. Journal of Clinical Endocrinology and Metabolism, 2004 , 89, 2647-51	5.6	224
70	Ethinylestradiol-drospirenone, flutamide-metformin, or both for adolescents and women with hyperinsulinemic hyperandrogenism: opposite effects on adipocytokines and body adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 1592-7	5.6	141
69	Both intrauterine growth restriction and postnatal growth influence childhood serum concentrations of adiponectin. <i>Clinical Endocrinology</i> , 2004 , 61, 339-46	3.4	28
68	Flutamide-metformin plus an oral contraceptive (OC) for young women with polycystic ovary syndrome: switch from third- to fourth-generation OC reduces body adiposity. <i>Human Reproduction</i> , 2004 , 19, 1725-7	5.7	35
67	Insulin sensitization early after menarche prevents progression from precocious pubarche to polycystic ovary syndrome. <i>Journal of Pediatrics</i> , 2004 , 144, 23-9	3.6	129
66	Low-dose flutamide-metformin therapy reverses insulin resistance and reduces fat mass in nonobese adolescents with ovarian hyperandrogenism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 2600-6	5.6	82
65	Androgen receptor gene CAG repeat polymorphism in the development of ovarian hyperandrogenism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 3333-8	5.6	147
64	Flutamide-metformin therapy to reduce fat mass in hyperinsulinemic ovarian hyperandrogenism: effects in adolescents and in women on third-generation oral contraception. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 4720-4	5.6	38
63	Hypergonadotrophinaemia with reduced uterine and ovarian size in women born small-for-gestational-age. <i>Human Reproduction</i> , 2003 , 18, 1565-9	5.7	102
62	Low-dose combination of flutamide, metformin and an oral contraceptive for non-obese, young women with polycystic ovary syndrome. <i>Human Reproduction</i> , 2003 , 18, 57-60	5.7	46
61	Fat distribution in non-obese girls with and without precocious pubarche: central adiposity related to insulinaemia and androgenaemia from prepuberty to postmenarche. <i>Clinical Endocrinology</i> , 2003 , 58, 372-9	3.4	96
60	Fasting insulin sensitivity and post-oral glucose hyperinsulinaemia related to cardiovascular risk factors in adolescents with precocious pubarche. <i>Clinical Endocrinology</i> , 2003 , 59, 756-62	3.4	11
59	Rapid corticotropin versus corticotropin-releasing hormone test in girls with precocious pubarche. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2002 , 15, 89-91	1.6	
58	Early menarche and subclinical ovarian hyperandrogenism in girls with reduced adult height after low birth weight. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2002 , 15, 431-3	1.6	10
57	Anovulation in eumenorrheic, nonobese adolescent girls born small for gestational age: insulin sensitization induces ovulation, increases lean body mass, and reduces abdominal fat excess, dyslipidemia, and subclinical hyperandrogenism. <i>Journal of Clinical Endocrinology and Metabolism</i> ,	5.6	75

56	Additive effects of insulin-sensitizing and anti-androgen treatment in young, nonobese women with hyperinsulinism, hyperandrogenism, dyslipidemia, and anovulation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 2870-4	5.6	90
55	Hypersecretion of FSH in infant boys and girls born small for gestational age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 1986-8	5.6	72
54	Reduced ovulation rate in adolescent girls born small for gestational age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 3391-3	5.6	120
53	Consensus statement on 21-hydroxylase deficiency from the Lawson Wilkins Pediatric Endocrine Society and the European Society for Paediatric Endocrinology. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 4048-53	5.6	297
52	Plasminogen activator inhibitor-1 in girls with precocious pubarche: a premenarcheal marker for polycystic ovary syndrome?. <i>Pediatric Research</i> , 2002 , 51, 244-8	3.2	27
51	Molecular defects of the CYP21 gene in Spanish girls with isolated precocious pubarche. <i>European Journal of Endocrinology</i> , 2002 , 147, 485-8	6.5	6
50	Leuteinizing hormone responses to leuprolide acetate discriminate between hypogonadotropic hypogonadism and constitutional delay of puberty. <i>Fertility and Sterility</i> , 2002 , 77, 555-60	4.8	11
49	Increased frequency of the G972R variant of the insulin receptor substrate-1 (irs-1) gene among girls with a history of precocious pubarche. <i>Fertility and Sterility</i> , 2002 , 78, 1288-93	4.8	19
48	Hypersecretion of FSH in Infant Boys and Girls Born Small for Gestational Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 1986-1988	5.6	18
47	Additive Effects of Insulin-Sensitizing and Anti-Androgen Treatment in Young, Nonobese Women with Hyperinsulinism, Hyperandrogenism, Dyslipidemia, and Anovulation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 2870-2874	5.6	28
46	Reduced Ovulation Rate in Adolescent Girls Born Small for Gestational Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 3391-3393	5.6	43
45	Polycystic ovary syndrome after precocious pubarche: ontogeny of the low-birthweight effect. <i>Clinical Endocrinology</i> , 2001 , 55, 667-72	3.4	105
44	Insulin gene variable number of tandem repeat genotype and the low birth weight, precocious pubarche, and hyperinsulinism sequence. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 5788-93	5.6	46
43	Insulin Gene Variable Number of Tandem Repeat Genotype and the Low Birth Weight, Precocious Pubarche, and Hyperinsulinism Sequence. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 5788-5793	5.6	15
42	Sensitization to Insulin Induces Ovulation in Nonobese Adolescents with Anovulatory Hyperandrogenism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 3595-3598	5.6	44
41	Early puberty: rapid progression and reduced final height in girls with low birth weight. <i>Pediatrics</i> , 2000 , 106, E72	7.4	150
40	Adrenal hyperandrogenism in adolescent girls with a history of low birthweight and precocious pubarche. <i>Clinical Endocrinology</i> , 2000 , 53, 523-7	3.4	37
39	Identification of three novel mutations in the insulin receptor gene in type A insulin resistant patients. <i>Clinical Genetics</i> , 2000 , 57, 67-9	4	14

(1998-2000)

38	21-Hydroxylase-deficient nonclassic adrenal hyperplasia is a progressive disorder: a multicenter study. <i>American Journal of Obstetrics and Gynecology</i> , 2000 , 183, 1468-74	6.4	128
37	Increased bone mineral density and serum leptin in non-obese girls with precocious pubarche: relation to low birthweight and hyperinsulinism. <i>Hormone Research in Paediatrics</i> , 2000 , 54, 192-7	3.3	23
36	Reduced uterine and ovarian size in adolescent girls born small for gestational age. <i>Pediatric Research</i> , 2000 , 47, 575-7	3.2	140
35	Sensitization to Insulin in Adolescent Girls to Normalize Hirsutism, Hyperandrogenism, Oligomenorrhea, Dyslipidemia, and Hyperinsulinism after Precocious Pubarche. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 3526-3530	5.6	113
34	Ovarian Hyporesponsiveness to Follicle Stimulating Hormone in Adolescent Girls Born Small for Gestational Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 2624-2626	5.6	24
33	Treatment of Hirsutism, Hyperandrogenism, Oligomenorrhea, Dyslipidemia, and Hyperinsulinism in Nonobese, Adolescent Girls: Effect of Flutamide. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 3251-3255	5.6	79
32	Exaggerated adrenarche and hyperinsulinism in adolescent girls born small for gestational age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 4739-41	5.6	166
31	Anovulation after precocious pubarche: early markers and time course in adolescence. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 2691-5	5.6	104
30	Pronounced adrenarche and precocious pubarche in boys. <i>Hormone Research in Paediatrics</i> , 1999 , 51, 238-41	3.3	18
29	Sexual dimorphism in the maturation of the pituitary-gonadal axis, assessed by GnRH agonist challenge. <i>European Journal of Endocrinology</i> , 1999 , 141, 27-34	6.5	28
28	Increased prevalence of type 2 diabetes mellitus and impaired glucose tolerance in first-degree relatives of girls with a history of precocious pubarche. <i>Clinical Endocrinology</i> , 1999 , 51, 395-401	3.4	24
27	Iron metabolism in burned children. European Journal of Pediatrics, 1999, 158, 556-9	4.1	5
26	Precocious pubarche, dyslipidemia, and low IGF binding protein-1 in girls: relation to reduced prenatal growth. <i>Pediatric Research</i> , 1999 , 46, 320-2	3.2	39
25	Corticotropin-releasing hormone as adrenal androgen secretagogue. <i>Pediatric Research</i> , 1999 , 46, 351-3	33.2	31
24	Corticotropin-Releasing Hormone: A Potent Androgen Secretagogue in Girls with Hyperandrogenism after Precocious Pubarche. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 4602-4606	5.6	18
23	Exaggerated Adrenarche and Hyperinsulinism in Adolescent Girls Born Small for Gestational Age. Journal of Clinical Endocrinology and Metabolism, 1999 , 84, 4739-4741	5.6	61
22	Anovulation after Precocious Pubarche: Early Markers and Time Course in Adolescence. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 2691-2695	5.6	82
21	Hyperinsulinaemia, dyslipaemia and cardiovascular risk in girls with a history of premature pubarche. <i>Diabetologia</i> , 1998 , 41, 1057-63	10.3	136

20	Insulin resistance, premature adrenarche, and a risk of the Polycystic Ovary Syndrome (PCOS). <i>Trends in Endocrinology and Metabolism</i> , 1998 , 9, 72-7	8.8	36
19	Growth hormone treatment of short children born small for gestational age. <i>Trends in Endocrinology and Metabolism</i> , 1998 , 9, 233-7	8.8	32
18	Premature pubarche, ovarian hyperandrogenism, hyperinsulinism and the polycystic ovary syndrome: from a complex constellation to a simple sequence of prenatal onset. <i>Journal of Endocrinological Investigation</i> , 1998 , 21, 558-66	5.2	71
17	Precocious pubarche, hyperinsulinism, and ovarian hyperandrogenism in girls: relation to reduced fetal growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 3558-62	5.6	400
16	Androgens and fetal growth. Hormone Research in Paediatrics, 1998, 50, 243-4	3.3	45
15	Precocious Pubarche, Hyperinsulinism, and Ovarian Hyperandrogenism in Girls: Relation to Reduced Fetal Growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 3558-3562	5.6	148
14	Ovarian 17 alpha-hydroxyprogesterone responses to GnRH analog testing in oligomenorrheic insulin-dependent diabetic adolescents. <i>European Journal of Endocrinology</i> , 1997 , 136, 624-9	6.5	17
13	Bone mineral density in prepubertal and in adolescent and young adult patients with the salt-wasting form of congenital adrenal hyperplasia. <i>Pediatrics</i> , 1997 , 100, 671-4	7.4	74
12	Girls diagnosed with premature pubarche show an exaggerated ovarian androgen synthesis from the early stages of puberty: evidence from gonadotropin-releasing hormone agonist testing. <i>Fertility and Sterility</i> , 1997 , 67, 849-55	4.8	76
11	Routine detection of point mutations in non-classic steroid 21-hydroxylase. <i>International Journal of Clinical and Laboratory Research</i> , 1997 , 27, 257-60		
10	Hyperinsulinemia and Decreased Insulin-Like Growth Factor-Binding Protein-1 Are Common Features in Prepubertal and Pubertal Girls with a History of Premature Pubarche. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997 , 82, 2283-2288	5.6	118
9	Ovarian 17-hydroxyprogesterone hyperresponsiveness to gonadotropin- releasing hormone (GnRH) agonist challenge in women with polycystic ovary syndrome is not mediated by luteinizing hormone hypersecretion: evidence from GnRH agonist and human chorionic gonadotropin	5.6	55
8	Pituitary-ovarian responses to leuprolide acetate testing in patients with congenital adrenal hyperplasia due to 21-hydroxylase deficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996 , 81, 601-606	5.6	20
7	Hyperinsulinemia in postpubertal girls with a history of premature pubarche and functional ovarian hyperandrogenism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996 , 81, 1237-1243	5.6	84
6	Growth hormone, insulin-like growth factor-I axis, and insulin secretion in hyperandrogenic adolescents. <i>Fertility and Sterility</i> , 1995 , 64, 1113-1119	4.8	27
5	Use of leuprolide acetate response patterns in the early diagnosis of pubertal disorders: comparison with the gonadotropin-releasing hormone test. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994 , 78, 30-35	5.6	60
4	Source localization of androgen excess in adolescent girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994 , 79, 1778-1784	5.6	48
3	Postpubertal outcome in girls diagnosed of premature pubarche during childhood: increased frequency of functional ovarian hyperandrogenism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1993 , 76, 1599-1603	5.6	187

LIST OF PUBLICATIONS

Incidence of type 1 (insulin-dependent) diabetes mellitus in Catalonia, Spain. The Catalan Epidemiology Diabetes Study Group. *Diabetologia*, **1992**, 35, 267-71

10.3 54

Natural history of premature pubarche: an auxological study. *Journal of Clinical Endocrinology and Metabolism*, **1992**, 74, 254-257

5.6 82