

Jenn-Ming Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11562999/publications.pdf>

Version: 2024-02-01

104
papers

5,734
citations

94433

37
h-index

76900

74
g-index

113
all docs

113
docs citations

113
times ranked

5069
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-Dimensional Introital Ultrasound in Assessing Perioperative Pelvic Floor Muscle Functions of Women with Cystoceles. <i>Ultraschall in Der Medizin</i> , 2021, 42, e31-e41.	1.5	4
2	Elevated Temperature Notch Sensitivity of Inconel 718 Manufactured by Selective Laser Melting. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4882-4890.	2.5	8
3	Association of Baseline Pelvic Floor Muscle Activities with Sexual and Urinary Functions In Female Stress Urinary Incontinence. <i>Journal of Sexual Medicine</i> , 2021, 18, 1698-1704.	0.6	3
4	Automated Damage Detection of (C/C)/Si/SiC Composite Using Vibration Modes with Deep Neural Networks. <i>Journal of Composites Science</i> , 2021, 5, 301.	3.0	1
5	Medium-term outcomes for primary native tissue reconstructive surgeries with and without transobturator vaginal meshes in stress continent women with stage 3 or higher pelvic organ prolapse. <i>Neurourology and Urodynamics</i> , 2020, 39, 261-270.	1.5	1
6	The significance of pelvic floor support on the pelvic floor muscle functions of women with lower urinary tract symptoms. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2020, 59, 551-555.	1.3	2
7	Fabrication and characterization of bioresorbable zinc/WC nanocomposite springs for short bowel syndrome treatment. <i>Materials Letters</i> , 2020, 280, 128577.	2.6	2
8	Five-year clinical and imaging outcomes of primary transobturator midurethral sling procedures for uncomplicated urodynamic stress incontinence. <i>Maturitas</i> , 2020, 138, 42-50.	2.4	4
9	Fabrication and Characterization of Solid Composite Yarns from Carbon Nanotubes and Poly(dicyclopentadiene). <i>Nanomaterials</i> , 2020, 10, 717.	4.1	6
10	Microstructure Formation and Micropillar Compression of Al-TiC Nanocomposite Manufactured by Solidification Nanoprocessing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 4620-4631.	2.2	9
11	Micro-mechanical properties of homogeneous- and inhomogeneous-structured pillars in Al-TiC nanocomposite: An in-situ study. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 762, 138084.	5.6	7
12	Effects of electron beam irradiation and hydroxyl ion concentration on morphological stability of polyethylenimine-capped gold nanoparticles. <i>Materials Research Express</i> , 2019, 6, 125031.	1.6	5
13	Mechanical Reliability Assessment of Cu ₆ Sn ₅ Intermetallic Compound and Multilayer Structures in Cu/Sn Interconnects for 3D IC Applications. , 2019, , .		1
14	Simplified Fabrication Strategy of Graphene Liquid Cells for the in Situ Transmission Electron Microscopy Study of Au Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4523-4530.	3.1	10
15	Strengthening to softening transition in lath martensite. <i>Materialia</i> , 2019, 5, 100254.	2.7	8
16	One-Step Synthesis of Tunable-Size Gold Nanoplates on Graphene Multilayers. <i>Nano Letters</i> , 2018, 18, 1875-1881.	9.1	41
17	Graphene template-induced growth of single-crystalline gold nanobelts with high structural tunability. <i>Nanoscale</i> , 2018, 10, 2764-2773.	5.6	28
18	In situ formation of TiC-particle-reinforced stainless steel matrix nanocomposites during ball milling: Feedstock powder preparation for selective laser melting at various energy densities. <i>Powder Technology</i> , 2018, 326, 467-478.	4.2	89

#	ARTICLE	IF	CITATIONS
19	Ultrasonication-assisted synthesis of high aspect ratio gold nanowires on a graphene template and investigation of their growth mechanism. <i>Chemical Communications</i> , 2018, 54, 4124-4127.	4.1	21
20	Menopause is associated with impaired responsiveness of involuntary pelvic floor muscle contractions to sudden intra-abdominal pressure rise in women with pelvic floor symptoms: A retrospective study. <i>Neurourology and Urodynamics</i> , 2018, 37, 1128-1136.	1.5	7
21	Densification behavior, microstructural evolution, and mechanical properties of TiC/316L stainless steel nanocomposites fabricated by selective laser melting. <i>Materials and Design</i> , 2018, 138, 119-128.	7.0	182
22	Pelvic floor muscle functions are improved after successful transobturator vaginal mesh procedures. <i>Neurourology and Urodynamics</i> , 2017, 36, 380-384.	1.5	4
23	Selective laser melting of TiB ₂ /316L stainless steel composites: The roles of powder preparation and hot isostatic pressing post-treatment. <i>Powder Technology</i> , 2017, 309, 37-48.	4.2	134
24	Selective laser melting of TiB ₂ /H13 steel nanocomposites: Influence of hot isostatic pressing post-treatment. <i>Journal of Materials Processing Technology</i> , 2017, 244, 344-353.	6.3	94
25	Novel Strategy for One-Pot Synthesis of Gold Nanoplates on Carbon Nanotube Sheet As an Effective Flexible SERS Substrate. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6246-6254.	8.0	60
26	A Proximal Straining Mesh Location Is Associated With De Novo Stress Urinary Incontinence After Transobturator Mesh Procedures. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 539-545.	1.7	4
27	In-situ formation of novel TiC-particle-reinforced 316L stainless steel bulk-form composites by selective laser melting. <i>Journal of Alloys and Compounds</i> , 2017, 706, 409-418.	5.5	193
28	Transverse compressive properties of polyacrylonitrile (PAN)-based and pitch-based single carbon fibers. <i>Carbon</i> , 2017, 118, 168-183.	10.3	52
29	Scanning strategies for texture and anisotropy tailoring during selective laser melting of TiC/316L stainless steel nanocomposites. <i>Journal of Alloys and Compounds</i> , 2017, 728, 424-435.	5.5	190
30	Integration of Heat Treatment with Shot Peening of 17-4 Stainless Steel Fabricated by Direct Metal Laser Sintering. <i>Jom</i> , 2017, 69, 2309-2313.	1.9	46
31	Understanding the deformation behavior of 17-4 precipitate hardenable stainless steel produced by direct metal laser sintering using micropillar compression and TEM. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 119-126.	3.0	64
32	Nanocrystalline TiC-reinforced H13 steel matrix nanocomposites fabricated by selective laser melting. <i>Materials and Design</i> , 2016, 96, 150-161.	7.0	149
33	Rapid fabrication of bulk-form TiB ₂ /316L stainless steel nanocomposites with novel reinforcement architecture and improved performance by selective laser melting. <i>Journal of Alloys and Compounds</i> , 2016, 680, 480-493.	5.5	208
34	Improving the surface quality and mechanical properties by shot-peening of 17-4 stainless steel fabricated by additive manufacturing. <i>Materials and Design</i> , 2016, 110, 914-924.	7.0	300
35	Nanomechanics of Refractory Transition-Metal Carbides: A Path to Discovering Plasticity in Hard Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2313-2323.	3.8	51
36	The Effects of Electron Beam Melting on the Microstructure and Mechanical Properties of Ti-6Al-4V and Gamma-TiAl. <i>Microscopy and Microanalysis</i> , 2015, 21, 1177-1178.	0.4	3

#	ARTICLE	IF	CITATIONS
37	Processing and properties of magnesium containing a dense uniform dispersion of nanoparticles. <i>Nature</i> , 2015, 528, 539-543.	27.8	582
38	Clinical Importance and Surgical Outcomes of Green Type III Cystocele in Women With Anterior Vaginal Prolapse. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 2279-2285.	1.7	3
39	Atmospheric pressure plasma effects on the adhesive bonding properties of stainless steel and epoxy composites. <i>Journal of Composite Materials</i> , 2014, 48, 219-233.	2.4	26
40	Poly-dicyclopentadiene-wollastonite composites toward structural applications. <i>Journal of Composite Materials</i> , 2014, 48, 2023-2031.	2.4	13
41	High-resolution TEM characterization of SiC nanowires as reinforcements in a nanocrystalline Mg-matrix. <i>Materials Characterization</i> , 2013, 77, 81-88.	4.4	37
42	Reliability of a New Method for Assessing Tension and Configuration of Transobturator Suburethral Tapes Using Four-Dimensional Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 44-53.	1.5	5
43	Matched-pair analyses of resting and dynamic morphology between Monarc and TVT-O procedures by ultrasound. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2013, 169, 402-407.	1.1	2
44	Multiscale modeling of metal-composite interfaces in titanium-graphite fiber metal laminates part II: Continuum scale. <i>Journal of Composite Materials</i> , 2012, 46, 1235-1249.	2.4	4
45	The effect of surface modification with carbon nanotubes upon the tensile strength and Weibull modulus of carbon fibers. <i>Journal of Materials Science</i> , 2012, 47, 8044-8051.	3.7	30
46	Bearing strength of commingled boron/glass fiber reinforced aluminum laminates. <i>Composite Structures</i> , 2012, 94, 3160-3173.	5.8	14
47	The effect of gauge length on tensile strength and Weibull modulus of polyacrylonitrile (PAN)- and pitch-based carbon fibers. <i>Journal of Materials Science</i> , 2012, 47, 632-642.	3.7	90
48	Tensile properties of high strength polyacrylonitrile (PAN)-based and high modulus pitch-based hybrid carbon fibers-reinforced epoxy matrix composite. <i>Journal of Materials Science</i> , 2012, 47, 2743-2751.	3.7	38
49	Microstructural Characterization of a C _f /ZrC Composite Manufactured by Reactive Melt Infiltration. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 329-341.	2.1	41
50	Blunt notch strength of hybrid boron/glass/aluminum fiber metal laminates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 2164-2173.	5.6	22
51	High-temperature vapor deposition polymerization polyimide coating for elimination of surface nano-flaws in high-strength carbon fiber. <i>Carbon</i> , 2011, 49, 3881-3890.	10.3	27
52	Cryomilling and spark plasma sintering of nanocrystalline magnesium-based alloy. <i>Journal of Materials Research</i> , 2011, 26, 904-911.	2.6	46
53	Clinical and pathophysiological correlates of the symptom severity of stress urinary incontinence. <i>International Urogynecology Journal</i> , 2010, 21, 637-643.	1.4	11
54	The correlations of incontinence-related quality of life measures with symptom severity and pathophysiology in women with primary stress urinary incontinence. <i>World Journal of Urology</i> , 2010, 28, 619-623.	2.2	11

#	ARTICLE	IF	CITATIONS
55	Microstructural development of a Cf/ZrC composite manufactured by reactive melt infiltration. Journal of the European Ceramic Society, 2010, 30, 1527-1535.	5.7	134
56	Enhancing the thermal conductivity of polyacrylonitrile- and pitch-based carbon fibers by grafting carbon nanotubes on them. Carbon, 2010, 48, 1849-1857.	10.3	72
57	326 Tensile properties of carbon nanotubes grown on carbon fibers. The Proceedings of the Materials and Processing Conference, 2010, 2010.18, _326-1_-_326-5_.	0.0	0
58	In Situ and Ex Situ Nanomechanical Analysis of Reactive Nanolayer Solder Joints. Advanced Engineering Materials, 2009, 11, 645-649.	3.5	1
59	Flexural Properties of PAN and Pitch-Based Carbon Fibers. Journal of the American Ceramic Society, 2009, 92, 186-192.	3.8	57
60	The effect of a compliant polyimide nanocoating on the tensile properties of a high strength PAN-based carbon fiber. Composites Science and Technology, 2009, 69, 1319-1322.	7.8	25
61	Nanotwin-modified copper interconnects and its effect on the physical properties of copper. , 2009, , .		0
62	<i>In situ</i> measurements of stress evolution for nanotwin formation during pulse electrodeposition of copper. Journal of Applied Physics, 2009, 105, .	2.5	71
63	Incompressibility and Hardness of Solid Solution Transition Metal Diborides: Os _{1-x} Ru _x B ₂ . Chemistry of Materials, 2009, 21, 1915-1921.	6.7	70
64	Correlation of Morphological Alterations and Functional Impairment of the Tension-Free Vaginal Tape Obturator Procedure. Journal of Urology, 2009, 181, 211-218.	0.4	32
65	Reliability of Real-Time Ultrasound to Detect Pelvic Floor Muscle Contraction in Urinary Incontinent Women. Journal of Urology, 2009, 182, 2392-2396.	0.4	15
66	Fatigue crack initiation in hybrid boron/glass/aluminum fiber metal laminates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 496, 273-280.	5.6	71
67	Determining the stress required for deformation twinning in nanocrystalline and ultrafine-grained copper. Jom, 2008, 60, 66-70.	1.9	24
68	Tensile properties of ultrahigh strength PAN-based, ultrahigh modulus pitch-based and high ductility pitch-based carbon fibers. Carbon, 2008, 46, 189-195.	10.3	208
69	Spark Plasma Sintering of Zirconium Diborides. Journal of the American Ceramic Society, 2008, 91, 2848-2855.	3.8	102
70	Biologic Correlates of Sexual Function in Women with Stress Urinary Incontinence. Journal of Sexual Medicine, 2008, 5, 2871-2879.	0.6	28
71	Dynamic Interaction Involved in the Tension-Free Vaginal Tape Obturator Procedure. Journal of Urology, 2008, 180, 2081-2087.	0.4	33
72	Bearing Strength Analysis of Hybrid Titanium Composite Laminates. AIAA Journal, 2008, 46, 2074-2085.	2.6	9

#	ARTICLE	IF	CITATIONS
73	Effects on Hardness and Elastic Modulus for DSS-8 Peptide Treatment on Remineralization of Human Dental Tissues. Materials Research Society Symposia Proceedings, 2008, 1132, 1.	0.1	1
74	Tensile properties of carbon nanotubes grown on ultrahigh strength polyacrylonitrile-based and ultrahigh modulus pitch-based carbon fibers. Applied Physics Letters, 2008, 92, 231912.	3.3	44
75	Correlation between hardness and elastic moduli of the ultraincompressible transition metal diborides RuB ₂ , OsB ₂ , and ReB ₂ . Applied Physics Letters, 2008, 92, .	3.3	183
76	Morphologic Association of Female Lower Urinary Tract Symptoms with Anterior Vaginal Wall Relaxation in Primary Urodynamic Stress Incontinence. Journal of Medical Ultrasound, 2007, 15, 270-277.	0.4	0
77	Synthesis of Ultra-Incompressible Superhard Rhenium Diboride at Ambient Pressure. Science, 2007, 316, 436-439.	12.6	735
78	Evaluation of residual strength of notched fiber metal laminates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 457, 338-349.	5.6	57
79	The impact properties and damage tolerance and of bi-directionally reinforced fiber metal laminates. Journal of Materials Science, 2007, 42, 948-957.	3.7	83
80	A surgical technique to adjust bladder neck suspension in laparoscopic Burch colposuspension. Journal of Minimally Invasive Gynecology, 2006, 13, 289-295.	0.6	7
81	Analytical modelling and numerical simulation of the nonlinear deformation of hybrid fibre-metal laminates. Modelling and Simulation in Materials Science and Engineering, 2005, 13, 413-425.	2.0	38
82	Transperineal sonographic findings in a woman with urethral mucosa prolapse. Journal of Clinical Ultrasound, 2004, 32, 261-263.	0.8	7
83	Applications of Ultrasonography in Female Lower Urinary Tract Symptoms: Diagnosis and Intervention. Taiwanese Journal of Obstetrics and Gynecology, 2004, 43, 125-135.	1.3	3
84	Factors associated with voiding function in women with lower urinary tract symptoms: A mathematic model explanation. Neurourology and Urodynamics, 2003, 22, 574-581.	1.5	10
85	Effect of alloy composition on microstructure and high temperature properties of Nb-Zr-C ternary alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 341, 282-288.	5.6	36
86	High temperature mechanical behavior of Nb-Mo-ZrC alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 355, 260-266.	5.6	32
87	Bladder neck funneling on ultrasound cystourethrography in primary stress urinary incontinence: a sign associated with urethral hypermobility and intrinsic sphincter deficiency. Urology, 2003, 61, 936-941.	1.0	82
88	Bladder Wall Thickness on Ultrasonographic Cystourethrography. Journal of Ultrasound in Medicine, 2003, 22, 777-782.	1.7	55
89	Transvaginal Sonography in the Treatment of Acute Urinary Retention Due to Intravesical Blood Clots. Journal of Ultrasound in Medicine, 2003, 22, 851-854.	1.7	8
90	Discrimination of Bladder Disorders in Female Lower Urinary Tract Symptoms on Ultrasonographic Cystourethrography. Journal of Ultrasound in Medicine, 2002, 21, 1249-1256.	1.7	39

#	ARTICLE	IF	CITATIONS
91	Implications of abdominal straining in women with lower urinary tract symptoms. <i>Urology</i> , 2002, 60, 428-433.	1.0	28
92	Sonographic Findings of Acute Urinary Retention Secondary to an Impacted Pelvic Mass. <i>Journal of Ultrasound in Medicine</i> , 2002, 21, 1165-1169.	1.7	41
93	Transvaginal Sonography in the Treatment of a Rare Case of Total Urethral Stenosis With a Vesicovaginal Fistula. <i>Journal of Ultrasound in Medicine</i> , 2002, 21, 463-467.	1.7	14
94	Coarsening of Lamellar Microstructures in Directionally Solidified Yttrium Aluminate/Alumina Eutectic Fiber. <i>Journal of the American Ceramic Society</i> , 2001, 84, 2991-2996.	3.8	21
95	Impact of reverse end-diastolic flow velocity in umbilical artery on pregnancy outcome after the 28th gestational week. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1998, 77, 527-531.	2.8	2
96	Impact of reverse end-diastolic flow velocity in umbilical artery on pregnancy outcome after the 28th gestational week. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1998, 77, 527-531.	2.8	21
97	Central and peripheral hemodynamics in severe preeclampsia. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1996, 75, 120-126.	2.8	23
98	Factors affecting urethrocytographic parameters in urinary continent women. , 1996, 24, 249-255.		16
99	Fracture Behavior of Directionally Solidified Y3Al5O12/Al2O3 Eutectic Fiber. <i>Journal of the American Ceramic Society</i> , 1996, 79, 1218-1222.	3.8	81
100	Relationship between acute fetal distress and maternal-placental-fetal circulations in severe preeclampsia. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1995, 74, 419-424.	2.8	14
101	Failure Modes of a Unidirectional Ultra-High-Modulus Carbon-Fiber Carbon-Matrix Composite. <i>Journal of the American Ceramic Society</i> , 1995, 78, 623-632.	3.8	6
102	Mini-Catheter Used for Bladder Drainage Following Stress-Incontinence Surgery and the Factors Relating to Drainage Failure. <i>Journal of Obstetrics and Gynaecology (Tokyo, Japan)</i> , 1995, 21, 319-324.	0.2	1
103	Transvaginal sonographic findings in vesicovaginal fistula. <i>Journal of Clinical Ultrasound</i> , 1994, 22, 201-203.	0.8	16
104	Processing and Microstructural Development of In Situ TiN-Reinforced Silicon Nitride/Silicon Oxynitride Composites. <i>Journal of the American Ceramic Society</i> , 1992, 75, 2945-2952.	3.8	16