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رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	تحلیل دو بعدی رفتار استاتیکی، آسیب و تغییر فرم پلاستیک در کامپوزیت‌های ذره ای با استفاده از روش پری داینامیک	مرتضی احمدی و مجتبی صدیقی	فروردین 1400
2	تحلیل عددی و بررسی تجربی رفتار ضربه سرعت پائین فوم آلومینیومی سلول بسته	سعید طالبی و مجتبی صدیقی	اسفند 1396
3	تحلیل دینامیکی پانل ساندویچی با هسته انعطاف پذیر تحت چند ضربه سرعت پایین	محمد کاوسی سیسی و مجتبی صدیقی	اسفند 1396
4	تحلیل دینامیکی و ارتعاشی پانل استوانه ای ساندویچ همراه با سیم های SMA تعبیه شده در رویه های ضخیم	مریم خانجانی و مجتبی صدیقی	مهر 1396
5	تحلیل تجربی و عددی تاثیر نانو لایه های لیفی الکترورسی شده میانی بر خواص ضربه سرعت پایین کامپوزیت‌های اپوکسی / آرامید	مصطفی گودرز و مجتبی صدیقی	شهریور 1396
6	بررسی چند مقیاسی رفتار فوم های فلزی سلول باز تحت بارگذاری های ایستایی و خستگی پرچرخه	رضا هدایتی و مجتبی صدیقی	تیر 1395
7	تحلیل رفتار تیر ساندویچی با هسته الاستیک -پلاستیک دو خطی و تغییر شکل بزرگ رویه ها تحت بارگذاری استاتیکی	ستار جداری سلامی و مجتبی صدیقی	آبان 1393
8	تحلیل رفتار ورق ساندویچی با رویه هایی از جنس چند لایه فلز /الیاف تحت بارگذاری استاتیکی و ضربه سرعت پایین با تغییر شکل های بزرگ	سهیل داریوشی و مجتبی صدیقی	تیر 1393
9	تحلیل مساله تماس با وجود ترک در لایه ها با ساختار هدفمند	علی نیک بخت و مجتبی صدیقی	بهمن 1391
10	بهینه سازی رفتار سازه های استوانه ای فلزی -مرکب تحت بار محوری شبه استاتیکی و ضربه ای با استفاده از روش الگوریتم ژنتیک	مصطفی میرزائی و مجتبی صدیقی	آبان 1390

11	بررسی رفتار الاستیک پانلهای ساندویچی استوانه ای تحت بار عرضی استاتیکی و دینامیکی گذرا	مهدی افشین و مجتبی صدیقی	تیر 1390
12	تحلیل تئوری و تجربی پدیده ضربه با سرعت پایین در ورق های ساندویچی	مهدی سعادت و مجتبی صدیقی	اسفند 1388
13	تحلیل تئوری و تجربی خصوصیات مکانیکی کامپوزیتهای تقویت شده با ساختارهای بریدگرد مغزی دار	محمد صالح احمدی و مجتبی صدیقی	بهمن 1388

پایان نامه های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	بررسی رفتار ویسکوالاستیک زیست مواد متخلخل	سید محسن حسینی و مجتبی صدیقی	فروردین 1400
2	بررسی خواص و تحلیل استاتیکی فوم های سلولی با در نظر گرفتن غیر یکنواختی سطح مقطع	هادی فلاحی و مجتبی صدیقی	اسفند 1399
3	تحلیل تجربی و عددی ضربه سرعت پایین در کامپوزیت های تقویت شده با الیاف در محیط های خورنده و بهبود آن با نانو ذرات	یاسمن گیتی ارا و مجتبی صدیقی	اسفند 1399
4	تعیین حد تسلیم ماده متخلخل با استفاده از یک روش ماکرو-میکرو مکانیکی	غزل السادات شریعت پناهی و مجتبی صدیقی	آذر 1399
5	ساخت، مشخصه یابی و شبیه سازی بیوکامپوزیت پلی متیل متاکریلات - هیدروکسی آپاتیت تقویت شده با نانوذرات گرافن جهت کاربرد در مهندسی پزشکی	عارف بابکی و مجتبی صدیقی	شهریور 1399
6	تحلیل رفتار افزودنی الاستین بر خواص بیومکانیکی نانوکامپوزیت هیدروکسی آپاتیت/ پلی متیل متاکریلات در مهندسی بافت استخوان تحت ضربه سرعت پایین	متین محمدزاده راد و مجتبی صدیقی	شهریور 1399
7	تحلیل عددی و تجربی بارگذاری استاتیکی فوم سلول بسته آلومینیومی با فرض سلول های کلوین و ویرفلان	رضا شکیبازاد و مجتبی صدیقی	بهمن 1398
8	بررسی افزودن نانولوله کربن (CNT) بر روی خواص مکانیکی بایوبی کامپوزیت هیدروکسی آپاتیت و PMMA با کاربرد جایگزین استخوان	محمد عسگری و مجتبی صدیقی	بهمن 1398
9	تحلیل دینامیکی استوانه ساخته شده از آلیاژ حافظه دار متخلخل به عنوان یک مستهلک کننده انرژی	محیا حیدری و مجتبی صدیقی	اسفند 1397
10	تحلیل وابسته به اندازه ارتعاشات اجباری نانولوله های کربنی انتقال دهنده سیال	محمد معبودی و مجتبی صدیقی	بهمن 1397
11	مدلسازی و تست و تحلیل رفتار مواد کامپوزیتی با فیبرهای انحن دار تحت برخورد سرعت بالا	آیسن سلطان سالکی و مجتبی صدیقی	تیر 1397
12	تحلیل کمانش حرارتی تیر هدفمند تقویت شده با آلیاژ حافظه دار	علیرضا بابائی و مجتبی صدیقی	بهمن 1396
13	مدلسازی ریزمقیاسی رفتار مکانیکی استخوان با بهره گیری از تصاویر سی تی اسکن	نعیم قوبدل نیا و مجتبی صدیقی	بهمن 1396
14	تحلیل رفتار ورق کامپوزیتی تقویت شده با نانولوله های کربنی تک جداره تحت ضربه سرعت پایین	محمدعلی مقصودلوراد و مجتبی صدیقی	بهمن 1396
15	بررسی تحلیلی و تجربی خواص مکانیکی فوم های سلول باز تحت بارگذاری استاتیکی	ابوالفضل صالحی و مجتبی صدیقی	دی 1396
16	بررسی ضربه سرعت پایین بر روی کامپوزیتی خود ترمیم	حجت نیاکان و مجتبی صدیقی	شهریور 1396

17	بررسی تجربی و عددی ورق های ساندویچی با اتصال دو طرفه تحت بارگذاری استاتیکی و ضربه سرعت پائین	شیدخت رشیدداداش و تیر 1396 مجتبی صدیقی
18	شبیه سازی المان محدود برخورد آب به سازه های کامپوزیتی با در نظر گرفتن بر هم کنش سازه و سیال	تیر 1396 بایک پناهی کارزونی و مجتبی صدیقی
19	بررسی رفتار تیر چند لایه کامپوزیتی تقویت شده با نانو فایبرهای پلیمری تولید شده به روش الکتروریسندگی تحت ضربه سرعت پایین	بهمن 1395 حسام یدملت و مجتبی صدیقی
20	بررسی تأثیر ساختمان بافت پارچه های دوجداره(حلقوی پودی) بر روی خواص ضربه با سرعت پایین کامپوزیت های تقویت شده با آنها	مهر 1395 فاطمه حسنعلی زاده و مجتبی صدیقی
21	تأثیر پارامترهای فرآیندی و ریزساختار بر رسانش الکتریکی و ضریب اتلاف دی الکتریک بر نانوکامپوزیت پایه ABS و هیبرید نانوگرافیت/نانو Nife2O4مورد مصرف به عنوان پوشش الکترومغناطیسی	شهریور 1395 مهشید براتی و مجتبی صدیقی
22	تحلیل ورق های کامپوزیتی تقویت شده با فایبر، با یا بدون تقویت نانو ذره تحت ضربه سرعت پایین	اسفند 1394 احمدرضا شاه محمدی و مجتبی صدیقی
23	بررسی ارتعاشات آزاد پنل های ساندویچی استوانه ای درون سیال	بهمن 1394 سیما شیروانی آرانی و مجتبی صدیقی
24	ارزیابی استحکام برشی جوش لبه در جوشکاری اصطکاکی اغتشاشی کامپوزیتهای زمینه آلومینیومی	آبان 1394 حجت ثمری خلج و مجتبی صدیقی
25	بررسی پدیده ی بازگشت فنری در خمکاری ورقهای چند لایه ای فلز کامپوزیت	مهر 1394 میلاد حسین پور و مجتبی صدیقی
26	بررسی عددی و تجربی رفتار مکانیکی فوم فلزی سلول بسته تحت بارگذاری ضربه	مهر 1394 مهرداد کلوشانی و مجتبی صدیقی
27	تحلیل اعوجاج هندسی در پانلهای چندلایه فلز-الیاف در فرایند پخت	شهریور 1394 محمد هدایتی نژاد و مجتبی صدیقی
28	بررسی انتشار موج تنش در ورق قطاع مرکب چند لایه	شهریور 1394 محمد مؤیدی و مجتبی صدیقی
29	تحلیل تئوری و تجربی قانون نفوذ سنبه کروی در ورق های ساندویچی با هسته نرم	بهمن 1393 حسین روان بخش حبیب آبادی و مجتبی صدیقی
30	تحلیل استاتیکی پانل ساندویچی مرکب با الیافی از آلیاژ حافظه دار	بهمن 1393 سیداحسان علوی و مجتبی صدیقی
31	روشی جدید برای حل ارتعاشاتی تیرهای ساندویچی تحت شرایط مرزی گوناگون با به کارگیری نظریه ی مرتبه بالای پانل های ساندویچی	آبان 1393 سید علی حسینی و مجتبی صدیقی
32	تحلیل مقایسه ای رفتار تیر چندلایه کامپوزیتی با یا بدون تقویت نانوذره تحت ضربه سرعت پایین	مهر 1393 مهدی حیدری میبدی و مجتبی صدیقی
33	تحلیل و شناسایی جدایش پیشرونده در صفحات آلومینیومی ترمیم شده توسط چند لایه ای های فلز الیاف تحت بارگذاریهای استاتیکی داخل یا خارج صفحه	مهر 1393 مرتضی احمدی نجف آبادی و مجتبی صدیقی
34	مدل سازی مایکرومکانیکی خرابی لایه میانی الیاف و زمینه درمواد مرکب فلزی تحت بارگذاری خارج از محور	مهر 1393 سیدمحمدامین حسینی و مجتبی صدیقی
35	تحلیل تئوری و تجربی ارتعاشات آزاد و اجباری تیر خمیده ساندویچی حاوی جدایش بین رویه و هسته	مهر 1393 ابراهیم صادق پور و مجتبی صدیقی
36	تحلیل تجربی و عددی رفتار ورقهای بتنی تقویت شده با لایه های کامپوزیتی تحت ضربه سرعت بالا	مهر 1393 مهدی معین فر و مجتبی صدیقی
37	(NO TITLE)	شهریور 1393 یوسف طرازجمشیدی و مجتبی صدیقی

38	تحلیل رفتار ورق ساندویچی کامپوزیتی با رویه اضافی درون هسته تحت بارگذاری عرضی استاتیکی	وهاب حجاجی و مجتبی صدیقی	اسفند 1392
39	تحلیل ارتعاشات ورق ساندویچی حاوی المانهای آلیاژ حافظه دار	محمدحسن صمدپور و مجتبی صدیقی	بهمن 1392
40	تحلیل خمش استاتیکی تیر ساندویچی با فرض رفتار الاستیک-پلاستیک برای هسته آن	محسن رضایی فرد و مجتبی صدیقی	بهمن 1392
41	تحلیل تئوری و تجربی ارتعاشات تیر چند لایه ای فلز- کامپوزیت با لایه لایه شدگی اولیه	سیده شهرزاد میرحسینی و مجتبی صدیقی	بهمن 1392
42	بررسی تجربی و عددی ضربه مکرر بر روی چندلایه فلز-کامپوزیت	مسعود حقی کاشانی و مجتبی صدیقی	مهر 1392
43	بررسی رفتار برخورد لمینیت ها و ساندویچ های کامپوزیتی با سر انسان در تصادم خودرو	احد ترکستانی و مجتبی صدیقی	مهر 1392
44	تشخیص عیب لایه لایه شدگی اولیه در ورق چند لایه فلز-کامپوزیت با استفاده از موج هدایت شده ی لمب	آمنه مقصودی و مجتبی صدیقی	شهریور 1392
45	تحلیل ارتعاشی تیر ساندویچی با رویه های ساخته شده از مواد هدفمند	رکسانا داورپناه و مجتبی صدیقی	خرداد 1392
46	تحلیل کمانش حرارتی ورق قطاع مرکب	بابک گودرزی و مجتبی صدیقی	اسفند 1391
47	بررسی مقاومت بالستیکی نمونه های کامپوزیتی ساندویچی با رویه های چند لایه فلز-الیاف	مهران قلمی چوبر و مجتبی صدیقی	بهمن 1391
48	بررسی تجربی و عددی ضربه سرعت بالا بر روی چند لایه های فلز / الیاف	حامد زارعی محمودآبادی و مجتبی صدیقی	آبان 1391
49	تحلیل مسئله تماس با وجود ترک در لایه ها با ساختار هدفمند در دماهای بالا	علی طالع زاده لاری و مجتبی صدیقی	آبان 1391
50	تأثیر درجه حرارت پخت بر رشد ترک ناشی از خستگی در صفحات آلومینیومی ترمیم شده توسط چندلایه‌ای‌های فلز/الیاف (GLARE)	علی وجدانی و مجتبی صدیقی	اسفند 1390
51	بررسی تئوری و تجربی رفتار ضربه سرعت پائین ورق های ساندویچی با هسته ویسکو الاستیک	سروش صادق نژادلیموئی و مجتبی صدیقی	بهمن 1390
52	تحلیل پوسته استوانه‌ای کامپوزیتی با ساختار مشبک تحت بارگذاری مرکب شامل نیروی محوری و ممان خمشی	حمید شهبواری و مجتبی صدیقی	مهر 1390
53	بهینه سازی ابعاد هندسی لوله های فلزی سری و موازی بعنوان ضربه گیر مکانیکی	سیدابراهیم سیدی و مجتبی صدیقی	اردیبهشت 1390
54	بررسی خواص مکانیکی ساندویچ پانل های ساخته شده از الیاف شیشه سه بعدی (3D glass)	سیداحمد حسینی و مجتبی صدیقی	اسفند 1389
55	بهینه سازی ابعاد هندسی و چیدمان لایه های کامپوزیت در لوله های فلزی-کامپوزیتی مربعی (به عنوان ضربه گیر مکانیکی)	حسین اکبرشاهی و مجتبی صدیقی	اسفند 1389
56	بررسی رفتار ورق ساندویچی با لایه واسط در هسته تحت بار ضربه سرعت پایین	وحید تاج الدینی و مجتبی صدیقی	تیر 1389
57	تحلیل استاتیکی و ضربه سرعت پایین هسته لانه زنبوری پر شده از فوم	محسن زارعی محمودآبادی و مجتبی صدیقی	بهمن 1388
58	بررسی رفتار استاتیکی و ارتعاشات آزاد تیر ساندویچی با هسته تراکم پذیرولایه های پیزوالکتریک	هادی کدخدایی و مجتبی صدیقی	بهمن 1388

59	بررسی ارتعاشات آزاد و تحریک شده ورق ساندویچی با پوسته های کامپوزیتی وهسته ویسکوالاستیک	فرزاد محمودی و مجتبی صدیقی	اردیبهشت 1388
60	رفتار مکانیکی - حرارتی پانلهای ساندویچی با پوسته ها یا هسته های نرم هدفمند (FGM)	محمدحسین بنویدی و مجتبی صدیقی	بهمن 1387
61	بهینه سازی چند منظوره ورقهای هدفمند ضخیم	عادل سمیعی زفرقندی و مجتبی صدیقی	بهمن 1387
62	بررسی تنش های حرارتی ایجاد شده در استوانه های چند لایه ی کامپوزیتی و کاربرد آنها در مخازن CNG	محمدعلی احترام و مجتبی صدیقی	شهریور 1387
63	تحلیل پوسته استوانه ای FGM با روش المان محدود با استفاده از عملگر و حسگرهای پیزوالکتریک	بشیر بهجت خواجه و مجتبی صدیقی	شهریور 1387
64	تحلیل تجربی و المان محدود پوسته مخروطی جدار نازک کامپوزیتی تحت اثر بارگذاری ترکیبی محوری و خمشی	سجاد شقاقی و مجتبی صدیقی	شهریور 1387
65	بررسی عددی و تجربی رفتار الاستومرها در مقابل بار ضربه ای	ستار جداری سلامی و مجتبی صدیقی	بهمن 1386
66	بررسی رفتار تیرهای ساندویچی بارویه های کامپوزیتی تحت بار ضربه ای	حبیب پوریای ولی و مجتبی صدیقی	دی 1386
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68	بررسی تئوریک حالات مختلف خرابی برای یک تیر ساندویچی بارویه کامپوزیتی با هسته هانی کمب	اسداله عبدی دهکردی و مجتبی صدیقی	بهمن 1385
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کتاب

#	عنوان	نگارندگان/ مترجمان	کشور ناشر	تاریخ انتشار	نسخه
	داده های ثبت شده در پورتال				
1	سازه های مرکب (مکانیک مواد و طراحی)	مجتبی صدیقی	ایران	دی 1385	0
2	Wood head Publishing in Mechanical Engineering	رضا هدایتی، مجتبی صدیقی	United Kingdom	مهر 1394	1
3	مقدمه ای بر تئوری ورق	محمود شاکری، مجتبی صدیقی	ایران	فروردین 1377	1

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دروس ارائه شده

عنوان درس توصیف درس

دوره سرفصل
درسی ها

1	Mechanics of Composite Material	An Introduction to composite materials as a suitable alternative for traditional materials and their mechanical behavior and proerties		Spring 2021
2	Special Topics- Mechanics of Cellular Solids	In this subject, we review the structure and mechanical behavior of honeycombs and foams and apply models for their behavior to applications in engineering and medicine and to natural materials. Cellular solids are widespread in nature and in enginee		Spring 2021
3	Strength of Materials (II)	Part 2 of Introduction to solid mechanics in stress and strain feilds and deformable materials		Fall 2020
4	Composite Materials	mechanics of composite materials		Fall 2020

اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
داده های ثبت شده در پورتال						
1	ساخت نانوکامپوزیتهای هیبریدی بر پایه اپوکسی/الیاف آرامیدی/نانولایه های میانی مقاوم در برابر بارگذاری های متمرکز فشاری و ضربه سرعت پایین	95067	-	سعید صابرسمندری، سیدهدزیر بهرامی، مجتبی صدیقی، مصطفی گودرز	1396/11/12	1416/3/12
2	تولید نوعی میله کامپوزیتی با خواص پیچشی بالا توسط فرآیند بریدینگ- پولتروژن	64345	Iran (Islamic Republic of)	محمدصالح احمدی، مجید صفرجوهری، مجتبی صدیقی	1389/1/12	-
3	توسعه نوعی روش بریدینگ - پولتروژن جهت تولید قطعات کامپوزیتی	63969	Iran (Islamic Republic of)	محمدصالح احمدی، مجید صفرجوهری، مجتبی صدیقی	1388/12/10	-
4	ساخت و تقویت کامپوزیت های لایه ای آلومینیوم الیاف شیشه	56898	Iran (Islamic Republic of)	مجتبی صدیقی، سهیل داریوشی	1387/11/13	-