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رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	تحلیل ارتعاشات غیرخطی الکترو آیرولاستیکی یک عملگر دوزنقه ای کامپوزیتی تقویت شده	مرضیه نوروزی و فیروز بختیاری نژاد	اسفند 1399
2	بررسی ارتعاشات غیرخطی و پایداری دینامیکی ورق چرخان با زاویه نصب دلخواه در جریان تراکم‌ناپذیر	امیرحسین مدرس اول و فیروز بختیاری نژاد	بهمن 1399
3	تحلیل دینامیکی، پارامتری و کنترل ارتعاشات غیر خطی رشته حفاری در حضور عدم قطعیت محیطی	علی حسین زاده و فیروز بختیاری نژاد	بهمن 1397
4	مدلسازی نیمه تحلیلی و بررسی تجربی دو روش موج لمب و امپدانس الکترومکانیکی در ورق جهت مکان‌یابی عیب و جبران سازی اثر تغییرات دمائی	ناصرالدین سپهری و فیروز بختیاری نژاد	آبان 1395
5	تحلیل پایداری دینامیکی و کنترل فعال تیرک نانو مکانیکی با محرک پیزوالکتریک لایه ای در مقیاس نانو با در نظر گرفتن تئوری الاستیسیته غیر خطی	مصطفی ناظمی زاده و فیروز بختیاری نژاد	فروردین 1395
6	عیب یابی تیر حاوی ترک با استفاده از تحریک بار هارمونیک متحرک و روش موجک با فرض توزیع آماری پارامترها	امیر خرم و فیروز بختیاری نژاد	اسفند 1390
7	انالیز مدال غیر خطی تیر کامپوزیتی تیمو شنکوی چرخان با تشدید داخلی	هادی آروین بروجنی و فیروز بختیاری نژاد	بهمن 1390
8	عیب یابی یک ورق مسطح در جریان مافوق صوت با استفاده از تحلیل مرزهای انشقاق	سیدعلی افتخاری و فیروز بختیاری نژاد	تیر 1390
9	تحلیل انواع پدیده های تشدید غیر خطی در پوسته های هدفمند با انحناى دو جانبه	فربد علیجانی و فیروز بختیاری نژاد	خرداد 1390
10	شناخت نقش آشوب در بهبود فرایند ماشینکاری سریع	مسعود بنی حسن و فیروز بختیاری نژاد	اسفند 1389

اسفند 1388	اکبر اسفندیاری و فیروز بختیاری نژاد	11 آشکار سازی خرابی در تیرهای بتن مسلح با استفاده از داده های استاتیکی و دینامیکی
خرداد 1388	مرتضی دردل و فیروز بختیاری نژاد	12 کنترل فلاتر و سیکل حدی یک بال ایروالستیک دوزنقه ای با استفاده از پیزوالکتریک

پایان نامه های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	کنترل بهینه ی تطبیقی دمای بخار سوپر هیتز و ری هیتز	فاطمه قنبری دوست و فیروز بختیاری نژاد	تیر 1399
2	ارتعاشات اتفاقی ایرفویل و بال آیروالستیک غیرخطی تحت جریان مادون صوت تحت اتفاقی	بنیامین نوروزی چگینی و فیروز بختیاری نژاد	بهمن 1398
3	مدل سازی تحلیلی ربات برون پوش غیر فعال با حرکت پیوسته مبتنی بر تاندون جهت توانبخشی انگشتان دست	الهه کفاشی و فیروز بختیاری نژاد	بهمن 1398
4	بهینه سازی برداشت انرژی در بیشینه ی حد قدرت در تیر کامپوزیتی در محدوده غیرخطی	مهراد گوهرزای و فیروز بختیاری نژاد	بهمن 1398
5	تحلیل ارتعاشات غیرخطی صفحات ساندویچی با سیالات الکترو رئولوژیکال	رضا ابوطالبی ادراگانی و فیروز بختیاری نژاد	دی 1398
6	مطالعه رفتار مواد مرکب با ساختارهای تصادفی و متناوب	زهرا هوشمنداهور و فیروز بختیاری نژاد	شهریور 1398
7	کنترل امیدانس ربات توانبخشی انگشتان دست	محمد خوش نظر و فیروز بختیاری نژاد	تیر 1398
8	کنترل دقیق ارتعاشات تیر غیر برشی با تکیه گاه غیر ایده آل	محدثه حزینی و فیروز بختیاری نژاد	اردیبهشت 1398
9	طراحی و پیاده سازی کنترل کننده مرتبه کسری دمای کوره عملیات حرارتی	مصطفی پیراسته مقدم و فیروز بختیاری نژاد	بهمن 1397
10	ردیابی همزمان عیوب محلی جعبه دنده با استفاده از پردازش سیگنال	سعیده حسن پوربامچی و فیروز بختیاری نژاد	بهمن 1397
11	توسعه، طراحی و ساخت ارتز فعال حرکت غیرفعال پیوسته جهت توانبخشی انگشتان دست	بنیامین ساریخانی و فیروز بختیاری نژاد	بهمن 1397
12	بررسی تحلیلی و تجربی عملکرد ترموالکتریک در متمرکزکننده سهموی خطی مجهز به ردیاب برای تولید هم زمان برق و حرارت	مائده دهقانی محمدآبادی و فیروز بختیاری نژاد	مهر 1397
13	طراحی و ساخت دستگاه حرکت پسو مداوم (CPM) انگشت سبابه دست	زهرا ارجمندی و فیروز بختیاری نژاد	اسفند 1396
14	تحلیل ارتعاشی استخوان ران	رضا صادقی و فیروز بختیاری نژاد	بهمن 1396
15	طراحی مکاترونیکی و پیاده سازی مکانیزم ذخیره سازی انرژی در پروتز ساق پا جهت کمک به راه رفتن	سیدسینا موسوی و فیروز بختیاری نژاد	آبان 1396
16	ارتعاشات کوپل عرضی و پیچشی پل های معلق در اثر حرکت وسایل نقلیه و نیروی باد	رامین صفاری و فیروز بختیاری نژاد	مهر 1396
17	کنترل بهینه ارتعاشات سیستمهای پیوسته یک و دو بعدی به روش دقیق	میلاد تیلا و فیروز بختیاری نژاد	تیر 1396
18	طراحی کنترلر تطبیقی برای دریچه گاز برقی	میرکمال سیدرسولی و فیروز بختیاری نژاد	بهمن 1395

19	تحلیل مکانیزم‌های موجود در یک دست مصنوعی فعال به منظور بهینه سازی عملکرد آن	علی امیرنصر و فیروز بختیاری نژاد	بهمن 1395
20	ارتعاشات صفحه ای پل یک دهانه ای تحت اثر عبور اتفاقی خودروها	محمد رضا رجبی و فیروز بختیاری نژاد	آبان 1395
21	بهسازی سیگنال گذار با استفاده از شکل دهی پرتوی میکروفن و جداسازی منابع صوتی جهت استفاده در سمعک های دیجیتال	ندا کرمیان چالستری و فیروز بختیاری نژاد	تیر 1395
22	پایش زمانبندی احتراق موتور اشتعال تراکمی مخلوط همگن	محمود تقوی و فیروز بختیاری نژاد	تیر 1395
23	بررسی ارتعاشات عرضی - محوری رشته حفاری جهت دار با در نظر گرفتن تماس رشته با دیواره با استفاده از روش المان محدود	اکبر احمدی و فیروز بختیاری نژاد	بهمن 1394
24	مدلسازی و پیاده سازی روش امیدانس الکترومکانیکی بر روی تیر کامپوزیتی جهت تشخیص عیب	محمد جواد اسدی و فیروز بختیاری نژاد	بهمن 1394
25	مدلسازی و تحلیل عملکرد چرخ خیاطی به منظور طراحی و اعمال کنترل کننده برای بهبود عملکرد	محبوبه ملک دوست پیشکناری و فیروز بختیاری نژاد	دی 1394
26	تحلیل ارتعاشات غیرخطی فیلترهای فرکانس رادیویی میکرو الکترومکانیکی	میثم تقی زاده چورسی و فیروز بختیاری نژاد	مهر 1394
27	طراحی کنترلر بهینه و پیاده سازی برای عمود پرواز بدون سرنشین (داکت فن)	میثم رحیمی حاجی ابادی و فیروز بختیاری نژاد	تیر 1394
28	کنترل ارتعاشات تیر اویلر - برنولی با میرایی خطی سازه ای تحت تحریک متحرک	هانیه نظری نی نی و فیروز بختیاری نژاد	اسفند 1393
29	پایش وضعیت برخط و تشخیص عیوب جعبه دنده خودرو	ابراهیم نیک قلب رودسری و فیروز بختیاری نژاد	بهمن 1393
30	بررسی ارتعاشات قطاع دورانی با نسبت منظر پایین	شهرزاد رکوعی و فیروز بختیاری نژاد	بهمن 1393
31	همکاری دو ربات پرنده برای بلند کردن یک جسم با جرم نامشخص	هادی وکیلی نوجه ده سادات و فیروز بختیاری نژاد	آبان 1393
32	بررسی رفتار دینامیکی و ارتعاشی سامانه های دوار در اثر عیب های مختلف و ترکیب آنها	علی خداداد و فیروز بختیاری نژاد	مهر 1393
33	طراحی و ساخت سیستم کنترل ارتعاش یک پل تحت بار متحرک	محمد حسین خلیلی نیا و فیروز بختیاری نژاد	مهر 1393
34	طراحی یک تحریک کننده ارتعاشی از نوع الکترو-اِپتیک برای سازه منعطف	حبیب اله باتمان غلیچ و فیروز بختیاری نژاد	خرداد 1393
35	تحلیل رفتار دینامیکی دکل های مخابراتی شهری با احتمال خرابی در اثر تحریک احتمالی زلزله	مونا زندباف و فیروز بختیاری نژاد	اسفند 1392
36	بررسی و شناسایی خرابی های رشته حفاری ناشی از ارتعاشات آن	ایلا همایونفر و فیروز بختیاری نژاد	اسفند 1392
37	بررسی ارتعاشات سیستم های دوار، با استفاده از روش پردازش تصویر	جواد حسین زاده و فیروز بختیاری نژاد	اسفند 1392
38	کنترل ارتعاشات یک دهانه از پل با تکیه گاه خاص ناشی از حرکت اتفاقی چند خودرو	سید مهدی استادحسینی و فیروز بختیاری نژاد	بهمن 1392
39	طراحی و ساخت ربات نیمه خودکار بر اساس ترکیب اطلاعات سنسوری با کاربردی در آشکارسازی مین های زمینی	سعید صالحی زاده و فیروز بختیاری نژاد	بهمن 1392
40	بررسی اثر تغییرات دما و تنش در رصد و دیده بان (مانیتورینگ) سلامتی تیر به روش امیدانس الکترومکانیکی	سجاد نقدی مجدر و فیروز بختیاری نژاد	بهمن 1392

41	کنترل تطبیقی ارتعاشات خمشی و پیچشی تیر دوار اویلر برنولی با قطعات پیزو الکتریک	رویا صالح زاده و فیروز بختیاری نژاد	بهمن 1392
42	طراحی و ساخت تحریک کننده پنوماتیکی دوجته تیر	مهدی وهابی و فیروز بختیاری نژاد	بهمن 1392
43	تحلیل ارتعاشات آزاد ورق قطاعی ناقص با لایه های پیزوالکتریک	محمد محمدزاده کلشتری و فیروز بختیاری نژاد	مهر 1392
44	طراحی کنترلر برای پرنده بدون سرنشین داکتد فن و اعمال آن بر یک نمونه آزمایشگاهی	عدالت یوسفی ماوی و فیروز بختیاری نژاد	شهریور 1392
45	کنترل غیرخطی مسیر حرکت پرنده بدون سرنشین در سرعت پایین	بهراد روزبه و فیروز بختیاری نژاد	اسفند 1391
46	طراحی و ساخت سیستم تحریک کننده بار هارمونیک پیمایشگر یک تیر به روش الکترومغناطیس	محسن اسلامی و فیروز بختیاری نژاد	بهمن 1391
47	کنترل ارتعاشات تیر اویلر- برنولی پس از ایجاد ترک	البرز میرزابیگی و فیروز بختیاری نژاد	بهمن 1391
48	بررسی رفتار دینامیکی و شناسائی واحد بویلر بازیاب و اعمال کنترلر مناسب	احسان حبیبی سیاهپوش و فیروز بختیاری نژاد	دی 1391
49	طراحی و پیاده سازی کنترل کننده دمای کوره عملیات حرارتی	فراز افسری ممقانی و فیروز بختیاری نژاد	آبان 1391
50	کنترل ارتعاشات غیر خطی تیر پیوسته دوار	هانیه ارجمند و فیروز بختیاری نژاد	مهر 1391
51	تشخیص خطا در سیستم های هایبرید با استفاده از تکنیک های هوش محاسباتی	حامد قضاوی خوراسگانی و فیروز بختیاری نژاد	اسفند 1390
52	طراحی و ساخت سیستم تحریک کننده بار هارمونیک پویشگر یک تیر	میثم میرزایی و فیروز بختیاری نژاد	بهمن 1390
53	تشخیص و تعیین محل آسیب در مخزن استوانه ای با دو انتهای نیم کروی جدار نازک ایزوتروپیک به کمک تحلیل نظری و عملی مودال	سیدمیلاد موسوی بیدله و فیروز بختیاری نژاد	اسفند 1389
54	کنترل سیستم غیرخطی پرنده بدون سرنشین دارای کانال فن	مریم نوری و فیروز بختیاری نژاد	اسفند 1389
55	بررسی اثر جرم های متحرک بر کاهش حرکات رول و پیچ شناورها	نجمه منتظری و فیروز بختیاری نژاد	آبان 1389
56	کنترل نسبت سوخت به هوا در دیگ دی مولد بخار	علیرضا زمان وزیری و فیروز بختیاری نژاد	تیر 1389
57	عیب یابی وتحلیل یک استوانه تحت فشاربااستفاده ازتحلیل نظری و عملی مودال	مهدی یوسف زاد و فیروز بختیاری نژاد	بهمن 1387
58	کنترل ارتعاشات سیستم های ممتد یک و دو بعدی، به روش دقیق	عباس جعفری و فیروز بختیاری نژاد	دی 1387
59	کنترل بهینه ارتعاشات آزاد وواداشته یک ورق بااستفاده از مجموعه بهینه ای از المان های پیزوالکتریک	مهدی رضاپوریان قهرخی و فیروز بختیاری نژاد	مهر 1387
60	کنترل فازی کشش خودرو	سعید محمدی بردبری و فیروز بختیاری نژاد	اسفند 1386
61	عیب یابی در ماشین آلات دوار بااستفاده از روش تحلیل دو بعدی سیگنال دینامیکی	فرزاد امین روان و فیروز بختیاری نژاد	اسفند 1386
62	تحلیل ارتعاشات غیرخطی صفحه مستطیل شکل ایزوتروپ بالا به ویسکوالاستیک	مراد نظری و فیروز بختیاری نژاد	بهمن 1386

63	تحلیل ارتعاشی ورق نازک و هدایت و کنترل ارتعاشی آن باتعیین محل بهینه نصب المانهای پیزوالکتریک برای کنترل بهینه آن	محمد فرجی قناتی و فیروز بختیاری نژاد	بهمن 1385
64	شناسایی منابع ایجاد ارتعاشات در جعبه دنده به روش تحلیل مرتبه فرکانس دوران	اسماعیل قره خانی و فیروز بختیاری نژاد	اسفند 1383
65	آشکارسازی خرابی درسازه ها بااستفاده از آنالیزمودال	اکبر اسفندیاری و فیروز بختیاری نژاد	اسفند 1382
66	کنترل مجموعه ای خودرو به روش کنترل تطبیقی مدل	محسن لطف زمان و فیروز بختیاری نژاد	مهر 1379
67	طراحی بهینه مجموعه فنر و کمک فنر برای بهبودخودرو	رضا آرونی کاشانی و فیروز بختیاری نژاد	تیر 1379
68	بدست آوردن مدل دینامیکی و طراحی کنترولی در دریا	حسن گرگانی و فیروز بختیاری نژاد	تیر 1379
69	طراحی بهینه فنر های غیر خطی بهبود دینامیک خودرو	کیومرث عزیزی و فیروز بختیاری نژاد	اسفند 1376
70	طراحی بهینه مستهلک هیسترغیرخطی	غلامرضا ستوده و فیروز بختیاری نژاد	اسفند 1376
71	طراحی نصب و آزمایش سیستم کنترل دیجیتال نسبت هوا	ارش صدوقی اصل و فیروز بختیاری نژاد	شهریور 1376

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اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
1	داده های ثبت شده در پورتال تحریک کننده ارتعاشی پنماتیک پوشگر دستگاه تحریک کننده پنماتیک پوشگر	73194	Iran (Islamic Republic of)	فیروز بختیاری نژاد, میثم میرزایی	1390/9/10	1410/8/10