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رساله‌های دکتری

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	بررسی عملکرد سیستم پوششی دو لایه روی زیربند فولاد ساده کربنی شامل پوشش تبدیلی وانادیم و پوشش نانو کامپوزیتی قیر نفتی-اپوکسی حاوی نانو ذرات رس	میلاذ معتمدی و محمدرضا محمدزاده عطار	آذر 1395
2	بررسی رفتار ضد خوردگی پوشش‌های نانو کامپوزیتی پایه اپوکسی بر زیر ایند اصلاح شده پایه زیرکونیوم	علیرضا قنبری و محمدرضا محمدزاده عطار	آذر 1393
3	عملکرد پوشش‌های تبدیلی در بهبود خواص پوشش‌های نانو کامپوزیتی اپوکسی ZNO بر روی زیر آبند گالوانیزه	بهرام رمضانزاده کراتی و محمدرضا محمدزاده عطار	آبان 1390
4	بررسی بازدارندگی مشقات ایمیدآزول به عنوان جایگزین ترکیبات کرومات	محمد مهدویان احدی و محمدرضا محمدزاده عطار	اردیبهشت 1388
5	بررسی عملکرد پوشش‌های سه لایه پلی الفینی (HDPE,PP) از لحاظ مقاومت در برابر جدایش کاتدی، خواص حفاظتی در برابر خوردگی و ویژگی‌های فیزیکی - مکانیکی	رضا نادری محمودی و محمدرضا محمدزاده عطار	آذر 1387

پایان‌نامه‌های کارشناسی ارشد

#	عنوان پایان‌نامه	توسط	تاریخ دفاع
1	بررسی اثر اعمال پتانسیل بر روی پوشش‌های تبدیلی فسفات‌ه و پایه تیتانیوم	محمد خرم و محمدرضا محمدزاده عطار	شهریور 1399

2	اثر اختلاط ترکیبات مولیبدات و فسفات در پوشش آلی در مقاومت به خوردگی فلزات گالوانیزه و فولاد	نیلوفر طالقانی و محمدرضا محمدزاده عطار	شهریور 1399
3	بررسی مقاومت به خوردگی پوشش های حاوی پیگمنت های ضد خوردگی روی زیرآیند فولاد گالوانیزه گرم	پدرام بهادری و محمدرضا محمدزاده عطار	شهریور 1399
4	تأثیر آماده سازی سطح آلومینیوم بر روی خواص ضد خوردگی پوشش آلی اپوکسی- پلی آمید حاوی غلظت های حجمی مختلف از پیگمنت فسفات	مهدی کاظمی و محمدرضا محمدزاده عطار	تیر 1399
5	پوشش های تبدیلی بر پایه فسفات، زیر کونیوم و تیتانیوم بر روی فولاد : بررسی مقاومت به خوردگی، چسبندگی و جدایش کاتدی	حمید حاجی عبدل پور و محمدرضا محمدزاده عطار	مهر 1398
6	مطالعه رفتار حفاظت از خوردگی پوشش اپوکسی حاوی ذرات کلسیم کربنات اصلاح شده توسط سریم سولفات بر روی فولاد	مرتضی رحیمی هلری و محمدرضا محمدزاده عطار	اسفند 1397
7	مطالعه تأثیر سه بازدارنده خوردگی در بتن مسلح/محلول شبیه سازی شده ی بتن	نعیم ملک پور و محمدرضا محمدزاده عطار	اسفند 1397
8	بررسی پوشش غنی از روی حاوی رزین معدنی و تأثیر افزودنی	نگین معدلت و محمدرضا محمدزاده عطار	دی 1397
9	خواص نفوذ پذیری فیلم آزاد و پوشش اعمال شده بر روی فولاد و گالوانیزه	امیرحسین جلالی کندلوس و محمدرضا محمدزاده عطار	مهر 1397
10	تأثیر فعال سازی با استات مس و استات نیکل بر روی تشکیل پوشش تبدیلی فسفات و مقاومت به خوردگی آن	احسان کریم نیارمی و محمدرضا محمدزاده عطار	مهر 1397
11	بررسی خواص ضد خوردگی آلورا بعنوان بازدارنده زیست سازگار بر روی فولاد نرم و بررسی عملکرد آن در پوشش های آلی	زهرا کلهر و محمدرضا محمدزاده عطار	شهریور 1397
12	بررسی رفتار ممانعت از خوردگی مس توسط 2- مرکاپتوبنزنوتیازول در محلول نزدیک به خنثی	وحید سالارحسینی و محمدرضا محمدزاده عطار	اسفند 1396
13	مطالعه تأثیر بازدارنده نفوذپذیر خوردگی بر فولاد در بتن/ محلول شبیه سازی بتن	سیده لیلا رضایی و محمدرضا محمدزاده عطار	اسفند 1396
14	مطالعه رفتار حفاظت از خوردگی پوشش اپوکسی حاوی میکروذرات کلسیم کربنات اصلاح شده توسط سریم نیترات بر روی فولاد	علی دستغیب و محمدرضا محمدزاده عطار	بهمن 1396
15	سنتز و شناسایی رزین آفتابگردان اپوکسی دار شده و بهبود خواص ضد خوردگی آن به کمک رنگدانه روی آلومینیوم پلی فسفات	نیلوفر سادات میرمهدی کمجانی و محمدرضا محمدزاده عطار	مهر 1396
16	تهیه نانوکامپوزیت پلی آنیلین- اکسید گرافن و استفاده از آن در یک پوشش اپوکسی غنی از روی به منظور بهبود مقاومت به خوردگی	بهاره میری رامشه و محمدرضا محمدزاده عطار	بهمن 1395
17	بررسی خواص فیزیکی و الکتروشیمیایی پوشش های بیئومن اصلاح شده با پلیمرهای پلی یورتان (PU)، استایرن-بوتادین-استایرن (SBS)، استایرن-بوتادین-رابر (SBR) و پیگمنت glass flake بر روی فولاد	نغمه نصیری و محمدرضا محمدزاده عطار	آذر 1395
18	بررسی پوششهای تبدیلی نانومتری بر روی جدایش کاتدی پوشش اپوکسی فولاد نرم	محمداصادق دهقان منشادی و محمدرضا محمدزاده عطار	مهر 1395
19	بررسی پارامتری و مدل سازی جدایش کاتدی پوشش اپوکسی بر روی سطح فولاد	حمیدرضا اسمانی و محمدرضا محمدزاده عطار	مرداد 1395
20	بررسی تأثیر نانو کلی و اجزاء پف کننده بر خواص خوردگی پوشش های ضد آتش پف کننده بر پایه اپوکسی	محسن محمدزاد و محمدرضا محمدزاده عطار	بهمن 1394
21	بررسی مقاومت به خوردگی پوشش نانوکامپوزیتی پایه پلیمری بر روی پوشش تبدیلی فسفات بهینه شده بر روی فولاد	مهرداد عباسی قراچه و محمدرضا محمدزاده عطار	مهر 1394
22	بررسی تأثیر پوشش های تبدیلی بر روی پدیده جدایش کاتدی با استفاده از روش های بینایی ماشین و رنگ سنجی	الهام اسکندری و محمدرضا محمدزاده عطار	مهر 1394

23	بررسی عملکرد پوشش نانوکامپوزیتی پایه پلی یورتان بر روی زیربند فولادی در محیطهای دریائی (طبیعی و مصنوعی)	شایان وکیلی پورتکلو و محمدرضا محمدزاده عطار	بهمن 1393
24	بررسی خواص بازدارندگی سه ترکیب بر پایه ایمیدازول و یک ترکیب بر پایه تریازول بر روی سطح فولادی	پرهام ملک محمدی نوری و محمدرضا محمدزاده عطار	مهر 1393
25	بررسی عملکرد بازدارنده خوردگی پایه ایمیدازول در محیط خورنده و عملکرد همزمان آن با باردارنده معدنی در پوشش آلی بر روی سطح فولادی	زهرا مرادی و محمدرضا محمدزاده عطار	مهر 1393
26	بررسی پوشش‌های تبدیلی بر پایه زیرکونیوم بهبود یافته با افزودنی‌های معدنی به همراه پوشش آلی اپوکسی بر روی زمینه گالوانیزه	سیدمحمد موسوی فرد و محمدرضا محمدزاده عطار	مهر 1393
27	تاثیرافزودنی های کبالت ونیکل برعملکردضد خوردگی سامانه پوششی فسفات/اپوکسی حاوی نانوذرات سیلیکا	الهام متین محمدی و محمدرضا محمدزاده عطار	مهر 1392
28	بررسی عملکرد پوشش های تبدیلی پایه زیرکونیوم در بهبود خواص ضدخوردگی پوشش های نانوکامپوزیتی اپوکسی-آلومینا بر روی آلومینیوم	سمانه شریفی گلو و محمدرضا محمدزاده عطار	مهر 1392
29	بررسی نانو کامپوزیت های اپوکسی- سیلیکا بر روی پوشش های تبدیلی بهبود داده شده پایه مولیبدات و منگنز بر روی زیرآبند فولادی	نقیسه رضائی و محمدرضا محمدزاده عطار	مهر 1392
30	بررسی عملکرد خواص پوشش های پلی اورتان در غلظت حجمی های مختلف از پیگمنت های فسفات روی (ZP)	ابوالفضل درویش اقاچانی و محمدرضا محمدزاده عطار	تیر 1389
31	برسی و مقایسه عملکرد تشکیل لایه تبدیلی توسط اسید تانیک و مخلوط متیل نیترو ایمیدازول و استیل استونات روی بر روی سطح فولادی	سیدمجتبی کساییان و محمدرضا محمدزاده عطار	تیر 1389
32	بررسی تاثیر نوع آماده سازی سطح بر خواص خوردگی، جدایش کاتدیک و چسبندگی پوششهای پودری	صدف طهماسبی و محمدرضا محمدزاده عطار	آذر 1388
33	عملکرد و خواص خوردگی پوشش پودری حاوی پیگمنت زینک- آلومینیوم- فسفات روی زیر آیند آماده سازی شده در اسید فسفریک -بازدارنده خوردگی (از خانواده ایمیدازولها)	علیرضا قنبری و محمدرضا محمدزاده عطار	خرداد 1388
34	بررسی و مقایسه عملکرد پوشش پودری پایه اپوکسی بر روی مناطق فلز جوشکاری شده و نشده در محیط خورنده	میراحمد سادات و محمدرضا محمدزاده عطار	اسفند 1387
35	مقایسه مقاومت به خوردگی پرایمرهای بر پایه قیر نفتی و زغال سنگی	سیدسینا جمالی و محمدرضا محمدزاده عطار	خرداد 1387
36	بررسی تاثیر دانسیته جریان در آندایزینگ آلومینیوم و مطالعه رفتار خوردگی آن	نوشین مزینی و محمدرضا محمدزاده عطار	تیر 1386
37	بررسی جدایش کاتدی پوشش پلی یورتان بااستفاده از روش جریان متناوب (AB)	سوران خفنج و محمدرضا محمدزاده عطار	آذر 1385
38	مطالعه عملکرد روکشهای آلی برروی زمینه استیل در حضور ترکیبات سیلان بعنوان افزودنی	شادی جعفرزاده و محمدرضا محمدزاده عطار	تیر 1385
39	بررسی عملکرد پوشش های آلی برروی زمینه فولاد نرم در حضور لایه سطحی بر پایه سیلان	احمد رضوانی بروجنی و محمدرضا محمدزاده عطار	تیر 1385
40	عملیات سطحی و آماده سازی پیگمنت قرمز شماره 3	مهران رستمی درونکلا و محمدرضا محمدزاده عطار	اسفند 1383
41	بررسی خوردگی و کاتولیک دیسپانڈینگ پوشش اپوکسی حاوی فسفات روی و کرومات روی برروش DC و AC	محمد مهدویان احدی و محمدرضا محمدزاده عطار	آبان 1383
42	بررسی اثر چهار نوع کوتینگ در ولتاژهای مختلف برروی cidoihtlaC	محمد مهدی جلیلی و محمدرضا محمدزاده عطار	مهر 1382
43	بررسی پارامتر دم امدن زمان غوطه وری دو ستاره	امیر خلیج اسعدی و محمدرضا محمدزاده عطار	فروردین 1382
44	بررسی مقایسه ای پخت حرارت پودری بادستگاه آنالیز	روزبه مافی و محمدرضا محمدزاده عطار	اسفند 1381

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دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل ها درسی
1	Corrosion Control	Corrosion control of metallaic structures based on anodic and cathodic protections, corrosion inhibitors and organic coatings	Spring 2021
2	Advanced Corrosion	Giving concept, theory and corrosion mechanism and protection methods in corrosive environments	Fall 2020
3	Advanced Corrosion Engineering	Giving concept, theory and corrosion mechanism and protection methods in corrosive environments	Fall 2020
4	Advanced Corrosion Engineering	Giving concept, theory and corrosion mechanism and protection methods in corrosive environments	Fall 2019



اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
	داده های ثبت شده در پورتال					
1	پوشش اپوکسی هوشمند حاوی ذرات کربنات کلسیم اصلاح شده با بازدارنده سریم نیترات با قابلیت خود ترمیم شونگی در برابر خوردگی	98890 -		آرمان زارع بیدکی، محمدرضا محمدزاده عطار، علی دستغیب	1398/4/10	1416/10/30