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#	زبان	میزان مهارت ترجمه	میزان مهارت مکالمه
8	Armenian	Native and bilingual proficiency	Native and bilingual proficiency
8	Persian	Bilingual proficiency	Bilingual proficiency
8	German	Professional working proficiency	Professional working proficiency
8	English	Professional working proficiency	Professional working proficiency

علایق تحقیقاتی

#	عنوان علاقمندی	تاریخ آغاز فعالیت
1	Smart Grid	
2	Microgrids	
3	FACTS and HVDC Systems	
4	Monitoring of Power Transformers and its Transients	

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1	Power-to-X: Pioneering the Future of Sustainable Energy, Chapter 1 in the book Power-to-X in Regional Energy Systems Planning, Operation, Control, and Market Perspectives	میدانی امیر ، شاهین زاده حسین ، باباملک قره پتیان گیورک ، محمد محسن حیاتی ، مهدی عباپور	1
2	Exploring the Role of Power-to-X in Energy Hubs, Chapter 6 in the book Power-to-X in Regional Energy Systems Planning, Operation, Control, and Market Perspectives	میدانی امیر ، شاهین زاده حسین ، باباملک قره پتیان گیورک ، محمد محسن حیاتی ، مهدی عباپور	1
3	The Power-to-X (PtX) Effect in Ancillary Service Markets: From Opportunities and Challenges toward Future Directions, Chapter 18 in the book Power-to-X in Regional Energy Systems Planning, Operation, Control, and Market Perspectives	محمد محسن حیاتی ، علی ایمانلو ، مهدی عباپور ، میعادرضا شفیع خواه ، شاهین زاده حسین ، باباملک قره پتیان گیورک	1
4	Advancing grid flexibility with FACTS and D-FACTS technologies for the Encyclopedia of Renewable Energy Engineering	مهدی ذوالفقاری ، باباملک قره پتیان گیورک	1
5	بهینه سازی غیرخطی در مهندسی برق با کاربردهایی در MATLAB	ذوالفقاری مهدی ، باباملک قره پتیان گیورک ، امید رضایی	1
6	حالات گذرا در سیستم های قدرت	باباملک قره پتیان گیورک ، انوشیروان ابراهیمی ، محمود نریمانی	1
7	Future Power System Elements, Challenges and Solutions	باباملک قره پتیان گیورک ، ذوالفقاری مهدی ، نوید بیاتی	1
8	بهره برداری کنترل و مدیریت ریزشبکه ها	محمود جورابیان ، باباملک قره پتیان گیورک ، مهتاب پارسی ، مهدی سرادارزاده	1
9	Power System Transients, Modelling Simulation and Applications	باباملک قره پتیان گیورک ، آتوسا یزدانی ، بهروز ذاکر	1
10	Power Transformer Online Monitoring Using Electromagnetic Waves	باباملک قره پتیان گیورک ، حسین کرمی	1
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12	Decentralized Frameworks for Future Power Systems, Operation, Planning, and Control Perspectives Chapter 13: Decentralized power exchange control methods among subsystems in future power network	ذوالفقاری مهدی ، باباملک قره پتیان گیورک	1
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17	شبکه های هوشمند و ریزشبکه ها	باباملک قره پتیان گیورک ، محمد شاهیده پور ، بهروز ذاکر	2

18	اصول و مفاهیم تولید پراکنده	باباملک قره پتیان گیورک ، مهدی علومی بایگی ، ایمان نیکوفر ، محمد مهدی عربشاهی ، مرتضی خاتمی	1
19	شبکه های هوشمند و ریزشبکه ها	باباملک قره پتیان گیورک ، محمد شاهیده پور ، ذاکر بهروز	1
20	محرکه های الکتریکی پیشرفته تحلیل، کنترل و مدلسازی با MATLAB/SIMULINK	باباملک قره پتیان گیورک ، ذوالفقاری مهدی ، خدادوست ارانی علی اصغر	1
21	Application of Smart Grid Technologies, Case Studies in Saving Electricity in Different Parts of the World Chapter 2:Iranian Smart Grid Road Map and Iranian National Advanced Metering Infrastructure Plan (FAHAM)	باباملک قره پتیان گیورک ، صلای نادری مهدی ، هادی مدقق ، علیرضا ذکریازاده	1
22	Distributed Generation Systems, Design, Operation and Grid Integration	باباملک قره پتیان گیورک ، سید محمد موسوی آگاه	1
23	طراحی بهینه و ارزیابی سیستم های انرژی ترکیبی به کمک نرم افزار HOMER	باباملک قره پتیان گیورک ، کرمی پرزانی حسین ، سید علیرضا احمدی	1
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25	مفاهیم و کاربرده های سیستم های انتقال جریان متناوب انعطاف پذیر (FACTS) در انتقال و توزیع	محمود جورابیان ، باباملک قره پتیان گیورک ، مهتاب خلیلی فر	1
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28	راهنمای نرم افزار EMTP-RV (نرم افزار بررسی حالات گذرای سیستم های قدرت)	باباملک قره پتیان گیورک ، غنی زاده احمد جاوید	1
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30	Application of Harmony Search Algorithm in Power Engineering, in Search Algorithms for Engineering Optimization	بقایی کاشی حمیدرضا ، آقامیرسلیم سیدمجتبی ، باباملک قره پتیان گیورک	1
31	راهنمای نرم افزار EMTP-RV (نرم افزار بررسی حالات گذرای سیستم های قدرت)	باباملک قره پتیان گیورک ، غنی زاده احمد جاوید	1
32	سیستم های انتقال جریان متناوب انعطاف پذیر (FACTS) مفاهیم و کاربردها	باباملک قره پتیان گیورک	2
33	سیستم های انتقال جریان متناوب انعطاف پذیر (FACTS) مفاهیم و کاربردها	محمود جورابیان ، باباملک قره پتیان گیورک ، داور میرعباسی	1
34	بررسی حالات گذراتوسطEMTP	هاشم علیپور ، باباملک قره پتیان گیورک	2
35	بررسی حالات گذراتوسطEMTP	هاشم علیپور ، باباملک قره پتیان گیورک	1
36	modellierung von transformatorwicklungen zur untersuchung schnellverandericher	باباملک قره پتیان گیورک	1
37	بیسیک و ریاضیات عددی(Basic)	باباملک قره پتیان گیورک	1

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افتخارات و جوایز

#	عناوین جوایز و افتخارات	تاریخ دریافت
1	استاد نمونه دانشگاه صنعتی امیرکبیر از لحاظ کمیت و کیفیت مقالات	1398
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5	در زمره یک درصد برتر دانشمندان و نخبگان علمی جهان با استناد به پایگاه استنادی طلایه داران علم تامسون رویترز (ISI-ESI)	بازه 2005 تا کنون
6	پژوهشگر برتر ایران منتخب انجمن انرژی ایران (IEA) با توجه به میزان بالاترین استنادات ثبت شده در سامانه SciVal السویر	1396
7	رتبه 1 گرنت پژوهشی اساتید دانشگاه صنعتی امیرکبیر	در سالهای 1395 لغایت 1398
8	رتبه 1 گرنت پژوهشی اساتید دانشکده مهندسی برق	در سال های 1385 لغایت 1398
9	پژوهشگر برتر ایران منتخب انجمن مهندسین برق و الکترونیک ایران (IAEEE)	1389
10	استاد نمونه کشور منتخب وزارت علوم تحقیقات و فناوری	1387
11	برنده بورس تحقیقاتي اساتید ارائه شده از طرف DAAD، محل تحقیق در دانشگاه اشتوتگارت آلمان.	در تابستان سال‌هاي 1379 و 1382

داوری مقالات در مجلات علمی

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1	https://publons.com/researcher/1200540/gevork-b-gharehpetian/	

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اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
1	مبدل برق تک فاز به سه فاز پسیو			باباملک قره پتیان گیورک	-	-
2	نوعی ترانسفورماتور جریان بالا با توزیع جریان مساوی در سیم پیچ های موازی			طوسی بهروز ، باباملک قره پتیان گیورک ، شکرالهی مغانی جواد	-	-
3	ساخت منبع تغذیه با تصحیح ضریب قدرت بالا.			رنجبر امیرحسین ، ازوجی مهدی ، باباملک قره پتیان گیورک ، میلی منفرد جعفر	-	-
4	لکترونیک قدرت دوطرفه با قابلیت تعقیب نقطه کار حداکثر توان برای کاربردهای گرمایشی القایی			باباملک قره پتیان گیورک ، مهران صباحی	-	-
5	اینورتر واسط انعطاف پذیر تولید پراکنده با استفاده از کنترل مد لغزشی			داوری مسعود ، نظری محمد ، نفیسی حامد ، باباملک قره پتیان گیورک	-	-
6	تشخیص محل عیوب مکانیکی سیم پیچ ترانسفورماتور با استفاده از تصویربرداری راداری			گلسرخی اصفهانی محمدصادق ، اخوان حجازی مریم السادات ، باباملک قره پتیان گیورک	-	-
7	سامانه تشخیص و مکانیابی برخط تغییر شکل شعاعی سیم پیچ فشارضعیف در ترانسفورماتور قدرت با استفاده ازامواج الکترومغناطیسی			سید محمود مرتضوی ، زهرا مروج ، باباملک قره پتیان گیورک	-	-
8	دستگاه سیمولاتور تبدیل انرژی باد به برق با استفاده از ژنراتور کوپل مستقیم نوع AFPMSG			مصطفی ابرزاده بایرامی ، صلای نادری مهدی ، باباملک قره پتیان گیورک ، سعید آقائی فاروجی	-	-
9	فرآیند پردازش تصویر جهت تشخیص دقیق مکان چند عیب مکانیکی شعاعی به طور همزمان در سیم پیچ فشارقوی ترانسفورماتور قدرت			حمید رضا طبرسا ، مریم السادات اخوان حجازی ، باباملک قره پتیان گیورک	-	-
10	فرآیند گام به گام موج سینوسی ارسالی در شیوه هذلولی گون جهت تشخیص عیب مکانیکی شعاعی سیم پیچ فشار قوی ترانسفورماتور قدرت			باباملک قره پتیان گیورک ، مریم السادات اخوان حجازی ، کرمی پرزانی حسین ، حمید طبرسا	-	-
11	سامانه تخمین تغییر شکل شعاعی سیم پیچ ترانسفورماتور مبتی بر اندازه گیری پارامترهای Scattering			باباملک قره پتیان گیورک ، ال حسینی حسن علی ، اخوان حجازی مریم السادات ، دانشگاه صنعتی امیرکبیر	-	-
12	مجموعه نرم افزاری و سخت افزاری اندازه گیری جابجائی محوری سیم پیچ ترانسفورماتور با استفاده از امواج فراپهن باند (UWB) در حوزه زمان			باباملک قره پتیان گیورک ، ال حسینی حسن علی ، اخوان حجازی مریم السادات ، ابراهیمی جوزدانی جواد ، مختاری قاسم ، دانشگاه صنعتی امیرکبیر	-	-
13	معرفی ساختار جدید ماژولهای دارای 3 منبع ولتاژ و 4 سویچ برای مبدل های AC/DC منبع ولتاژی چند سطحی متقارن/نامتقارن به منظور کاستن از اجزا مبدل			معصومه کریمی ، نوید تقی وند بارنجی ، فرهاد محجل کاظمی ، باباملک قره پتیان گیورک ، محمد رضا جنتی اسکویی ، سجاد نجفی روادانق	-	-
14	مدار برش دهنده اضافه ولتاژهای فرورزونانسی شامل برقگیر اکسید فلز			رادمنش حمید ، باباملک قره پتیان گیورک ، فتحی سیدحمید ، دانشگاه صنعتی امیرکبیر	-	-
15	حس گری با تداخل سنج فیبر نوری ماخ-زندر برای اندازه گیری جابجایی محوری در ترانسفورماتور های قدرت			باباملک قره پتیان گیورک ، مریم السادات اخوان حجازی ، مرضیه کبیری ، پروین پرویز ، معدنی پور خسرو ، دانشگاه صنعتی امیرکبیر	-	-

16	دستگاه اینورتر چند سطحی منبع ولتاژ متقارن/ نامتقارن بر پایه ماژول تو در تو دارای 3 منبع ولتاژ و 4 سوییچ نیمه هادی با هدف کاهش نیازمندی به تعداد ادوات اینورتر	محمد رضا جننتی اسکویی ، نوید تقی وند بارنجی ، باباملک قره پتیان گیورک ، فرهاد محجل کاظمی ، سجاد نجفی روادانق ، دانشگاه صنعتی امیرکبیر	-
17	اندازه گیری میدان الکتریکی و مغناطیس ناشی از سیم پیچ ترانسفورماتور فشار قوی در داخل و نزدیک بدنه آن جهت تشخیص جابجایی محوری سیم پیچ آنها	حیدری نظر رحیم ، باباملک قره پتیان گیورک ، دانشگاه صنعتی امیرکبیر ، آیت اله حیدری نظر	-
18	مبدل dc/dc تک کلیده با توانایی کاهش و افزایش ولتاژ	سجاد نجفی روادانق ، باباملک قره پتیان گیورک ، محمد رضا جننتی اسکویی ، محسن محمودی ، حسین اژدرفائقی بناب	-
19	عیب یابی و تشخیص جابجایی شعاعی ترانسفورماتورهای فشار قوی با اندازه گیری میدان مغناطیسی ناشی از سیم پیچ آنها	حیدری نظر رحیم ، باباملک قره پتیان گیورک ، آیت الله حیدری نظر ، دانشگاه صنعتی امیرکبیر	-
20	فیلتر اکتیو تکفاز موازی جبرانساز انواع مختلف اعوجاجات در شرایط مختلف کاری	باباملک قره پتیان گیورک ، محمد رضا جننتی اسکویی ، مهدی فلاح ، حا مد جعفری کلیبر ، حسین مددی کجابادی	-
21	اینورترهای چند سطحی منبع ولتاژ متقارن و نامتقارن بر پایه ماژول های دارای 4 منبع ولتاژ و 6 سوییچ جهت کاهش حجم نیاز به ادوات الکترونیک قدرت در اینورتر	محمد رضا جننتی اسکویی ، باباملک قره پتیان گیورک ، معصومه کریمی ، سجاد نجفی روادانق ، نوید تقی وند بارنجی ، دانشگاه صنعتی امیرکبیر	-
22	ساخت مدار شکن با ساختار الکترونیک قدرت	فتحی سیدحمید ، باباملک قره پتیان گیورک ، رادمنش حمید ، دانشگاه صنعتی امیرکبیر	-
23	ساخت مبدل DC-DC افزاینده-کاهنده با تنش ولتاژ کاهش یافته	محسن محمودی ، محمد رضا جننتی اسکویی ، سجاد نجفی روادانق ، حسین اژدرفائقی بناب ، باباملک قره پتیان گیورک	-
24	سیستم اتوماتیک متعادلساز جریان سه فاز بر اساس ثبت نامتعادلی بارها	باباملک قره پتیان گیورک ، محمد حسین ولی ، ولی محمدعلی	-
25	ارایه سامانه سخت افزاری جهت کاهش تشخیص اشتباه عیب جابجایی محوری سیم پیچ ترانسفورماتور قدرت ناشی از وقوع عیب تخلیه جزیی در حین تصویربرداری راداری	نوروزی یاسر ، مریم السادات اخوان حجازی ، کرمی پرزانی حسین ، باباملک قره پتیان گیورک	-
26	فرایند تغییرات گام به گام موج سینوسی ارسالی جهت تشخیص عیب مکانیکی بیرون زدگی و فرورفتگی سیم پیچ فشار قوی ترانسفورماتور قدرت	نوروزی یاسر ، مریم السادات اخوان حجازی ، باباملک قره پتیان گیورک ، کرمی پرزانی حسین	-
27	Detection of Radial Deformations of Transformers	کرمی پرزانی حسین ، باباملک قره پتیان گیورک ، مریم السادات اخوان حجازی ، نوروزی یاسر	-
28	پنجره دی الکتریک جهت تصویربرداری از سیم پیچ ترانسفورماتور	محمودی معصومه ، مهدی نوری رحیم آبادی ، مریم السادات اخوان حجازی ، باباملک قره پتیان گیورک	-